Santa Barbara Towns
INITIAL STUDY/MITIGATED NEGATIVE DECLARATION

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A-041-2025
PM-2024-124
TTM No. 19336
V-045-2025
SP-150-2025
CUP-119-60 (REV. 2025)

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TABLE OF CONTENTS

1 INTRODUCTION 1
1.1 CALIFORNIA ENVIRONMENTAL QUALITY ACT COMPLIANCE 2
1.2 CONTENT AND FORMAT OF THE INITIAL STUDY 3
1.3 INITIAL STUDY SUMMARY OF FINDINGS 4
1.4 DOCUMENTS INCORPORATED BY REFERENCE 4
1.5 CONTACT PERSON 4
2 PROJECT SUMMARY AND ENVIRONMENTAL DETERMINATION 5
2.1 PROJECT SUMMARY 5
2.2 ORGANIZATION OF ENVIRONMENTAL ANALYSIS 8
2.3 EVALUATION OF ENVIRONMENTAL IMPACTS 8
2.4 ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED 10
2.5 DETERMINATION 11
3 PROJECT DESCRIPTION 12
3.1 BACKGROUND 12
3.2 PROJECT CHARACTERISTICS 13
3.3 PROJECT OPERATIONS 19
3.4 PROJECT APPROVALS 19
4 ENVIRONMENTAL IMPACTS 28
4.1 AESTHETICS 28
4.2 AGRICULTURE AND FORESTRY RESOURCES 34
4.3 AIR QUALITY 41
4.4 BIOLOGICAL RESOURCES 55
4.5 CULTURAL RESOURCES 61
4.6 ENERGY 69
4.7 GEOLOGY AND SOILS 76
4.8 GREENHOUSE GAS EMISSIONS 83
4.9 HAZARDS AND HAZARDOUS MATERIALS 92

4.10 HYDROLOGY AND WATER QUALITY 101
4.11 LAND USE PLANNING 110
4.12 MINERAL RESOURCES 113
4.13 NOISE 116
4.14 POPULATION AND HOUSING 135
4.15 PUBLIC SERVICES 138
4.16 RECREATION 143
4.17 TRANSPORTATION 146
4.18 TRIBAL CULTURAL RESOURCES 155
4.19 UTILITIES AND SERVICE SYSTEMS 163
4.20 WILDFIRE 171
4.21 MANDATORY FINDINGS OF SIGNIFICANCE 174

5 LIST OF PREPARERS 177

6 REFERENCES 178

TABLES

Table 1 - Surrounding Land Use 6
Table 2 – Proposed Development Summary 14
Table 3 – General Plan Compliance (Aesthetics) 32
Table 4 – On-Site Soils Classification 34
Table 5 – SCAQMD Regional Air Quality Significance Thresholds 48
Table 6 – Daily Construction Emissions 49
Table 7 – Regional Operational Emissions 50
Table 8 – Localized Operational Emissions 50
Table 9 – Localized Construction Emissions 52
Table 10 – Localized Operational Emissions 52
Table 11 – Previous Studies within a half-mile radius of the Project area 65
Table 12 – Previously Recorded Cultural Resources within a 0.5-mile radius of the Project area 65

Table 13 – Additional Sources Consulted 66
Table 14 – BLM Search Results 66
Table 15 – Project Consistency with CARB Scoping Plan Policies and Measures. 85
Table 16 - Construction Greenhouse Gas Emissions 89
Table 17 - Operational Greenhouse Gas Emissions 89
Table 18 – Garden Grove 2030 General Plan Land Use Element Goals and Policies Consistency 111
Table 19 – Typical Construction Vibration Levels 118
Table 20 – City of Garden Grove Ambient Noise Levels 122
Table 21 – City of Garden Grove Noise/Land Use Compatibility Standards[1] 122
Table 22 – Project Construction Noise Levels at 145 Feet 127
Table 23 - Vibration Damage Potential Threshold Criteria 130
Table 24 – Construction Vibration Impact Analysis 131
Table 25 – Project Trip Generation Rates and Forecast 149

FIGURES

Figure 1 – Regional Vicinity 20
Figure 2 – Site Location – Aerial View 21
Figure 3 – Existing General Plan Land Use Designation and Existing Zoning Map 22
Figure 4 – Conceptual Site Plan 23
Figure 5A, 5B, and 5C – Building Elevations (Buildings A-C) 24
Figure 6A, 6B, and 6C – Building and Floor Plans (Buildings A-C) 25
Figure 7 – Schematic Wall and Fence Plan 26
Figure 8 – Landscape and Open Space Plans 27
Figure 9 – Project Site Agricultural Designation 39
Figure 10 – Soil Map 40
Figure 11 – Fire Hazard Severity Zones 100
Figure 12 – Noise Monitoring Locations 133
Figure 13 – LAAAF Aircraft ADNL Noise Zones 134

APPENDICES

Appendix A – *Santa Catalina Townhomes Air Quality, Greenhouse Gas, and Energy Impact Study, City of Garden Grove, California*, RK Engineering Group, June 17, 2024, revised August 30, 2024

Appendix B – *Cultural and Paleontological Resources Assessment Report for* the *Brandywine Garden Grove Project*, *City of Garden Grove, Orange County, California*, Cogstone, July 2024

Appendix C – *Geotechnical Investigation, 5802 Santa Catalina Avenue, City of Garden Grove, County of Orange, California,* Alta California Geotechnical, Inc., January 16, 2024

Appendix D – *Phase I Environmental Site Assessment and Phase II Environmental Site Assessment – 5802 Santa Catalina Avenue, Garden Grove, California 92845,* Stantec, February 21, 2024

Appendix E – *Preliminary Water Quality Management Plan, 5802* Santa Catalina, Advanced Civil Group, Inc., May 9, 2024

Appendix F – *Preliminary Due Diligence Report: 5802 Santa Catalina,* Advanced Civil Group, Inc., December 2023

Appendix G – *Santa Catalina Townhomes Noise Impact Study, City off Garden Grove, California,* RK Engineering Group, June 7, 2024, revised August 30, 2024

Appendix H – *Santa Catalina Townhomes Residential Project Trip Generation & Vehicle Miles Traveled (VMT) Screening Analysis*, *City of Garden Grove*, RK Engineering, June 6, 2024, revised August 30, 2024

Appendix I – *Water and Sewer Service*, City of Garden Grove Public Works, February 22, 2024

Appendix J – Draft Mitigation Monitoring and Reporting Program

ACRONYMNS

Acronym	Definition
AB 32	Assembly Bill 32
AB 52	Assembly Bill 52
AER	Annual Emission Reporting
ADA	Americans with Disabilities Act
ADT	Average Daily Traffic
AFY	Acre Feet Per Year
AQMP	Air Quality Management Plan
APE	Area of Potential Effect
APN	Assessor Parcel Number
BMPs	Best Management Practices
CAAQS	California Ambient Air Quality Standards
CARB	California Air Resources Board
CDF	California Department of Finance
CDFW	California Department of Fish and Wildlife
CERCLA	Comprehensive Environmental Response, Compensation, & Liability Act
CEQA	California Environmental Quality Act
City	City of Garden Grove
CNEL	Community Noise Equivalent Level
CO	Carbon Monoxide
CRHR	California Register of Historic Resources
CVC	California Vehicle Code
dBA	A-Weighted Decibels
DIF	Development Impact Fees
DF	Design Features
DOSH	California Division of Safety and Health
DPM	Diesel Particulate Matter
DTSC	Department of Toxic Substances Control
EPA	Environmental Protection Agency
ESA	Endangered Species Act
FAR	Floor Area Ratio
FEMA	Federal Emergency Management Agency
FMMP	Farmland Mapping Management Program
GHG	Greenhouse Gas
HCP	Habitat Conservation Plan
gpd/acre	Gallons per Day per Acre
ITE	Institute of Transportation Engineers
LID	Low Impact Design
LOS	Level of Service

LST	Localized Significance Threshold
mgd	Millions of Gallons per Day
MMRP	Mitigation Monitoring and Reporting Program
MRZ	Mineral Resources Zone
MS4	Municipal Separate Storm Water Sewer System
NAAQS	National Ambient Air Quality Standards
NAHC	Native American Heritage Commission
NCCP	Natural Communities Conservation Plan
ND	Negative Declaration
NO2	Nitrogen Dioxide
NOx	Nitrogen Oxides
NPDES	National Pollutant Discharge Elimination System
OSHA	Occupational Safety and Health Administration
Pb	Lead
PM-2.5	Particulate Matter Less Than 2.5 Microns in Diameter
PM-10	Particulate Matter Less Than 10 Microns in Diameter
PRIMMP	Paleontological Resource Impact Mitigation Monitoring Program
RCRA	Resource Conservation and Recovery Act
RTP	Regional Transportation Plan/Sustainable Communities Strategy
RWQCB	Regional Water Quality Control Board
SB 100	Senate Bill 100
SARWQCB	Santa Ana Regional Water Quality Control Board
SGMA	Sustainability Groundwater Management Act
SF	Square Feet
SCAB	South Coast Air Basin
SCAG	Southern California Association of Governments
SCAQMD	South Coast Air Quality Management District
SLF	Sacred Lands File
SO2	Sulfur Dioxide
SO_x	Sulfur Oxide
SRA	Source Receptor Areas
SWPPP	Stormwater Pollution Prevention Plan
SWRCB	State Water Resources Control Board
TIA	Traffic Impact Analysis
VOC	Volatile Organic Compounds
USDA-NRCS	U.S. Department of Agriculture, Natural Resources Conservation Service
UWMP	Urban Water Management Plan

1 INTRODUCTION

Brandywine Homes (applicant) is proposing to develop 26 two-story townhomes and their associated improvements, including a total of 80 parking spaces (28 surface parking spaces and 52 spaces within attached garages), landscaping, and amenities (Project). The Project Site is located at 5802 Santa Catalina Avenue in the City of Garden Grove (City), along Santa Barbara Avenue and Bailey Street. The Proposed Project Site is an approximately 1.73-acre portion of a larger 3.02-acre parent parcel (APN 224-212-01). The Project proposes to subdivide the Proposed Project Site from the parent parcel. The entire parent parcel is currently developed with one existing church building, two preschool buildings (Look Who's Learning Preschool), and a large parking lot. The Project Site is currently developed with one ancillary building, a portion of a grass area, and an overflow asphalt parking lot for the adjacent church. The Project Site is surrounded by the church buildings and their associated parking lot to the north, an alleyway to the west, single-family residences to the east, and Santa Barbara Avenue to the south. There are single-family residences beyond the alleyway to the west and multi-family and commercial uses beyond Bailey Street/Santa Barbara Avenue to the south (**Figure 1** – *Regional Vicinity* and **Figure 2** – *Aerial View*). The site is currently zoned for single-family residential uses (R-1 zoning, Designation R-1-6) and a land use designation of Low Density Residential.

The Proposed Project is subject to the approval of the following entitlements:

- Approval of General Plan Amendment GPA-001 to amend the General Plan land use designation of the Project site from Low Density Residential (LDR) to Low Medium Density Residential (LMR).
- Approval of Zoning Amendment to change the Project Site parcel to R-3, Multiple-Family Residential.
- Approval of Tentative Parcel Map No. 2024-124 to subdivide the existing parcel to allow for the development of the Proposed Project.
- Approval of Tentative Tract Map No. 19336 to allow for the development of 26-unit townhomes on a single lot.
- Approval of Variance to deviate from the required rear yard setback for second-story building areas.
- Approval of Site Plan SP-150-2025 to construct the 26 two-story townhomes along with associated site improvements.
- Approval of Conditional Use Permit CUP-119-60 (REV. 2025) to modify the existing religious CUP to allow the development of the residential project.

Additional permits will be required upon review of construction documents. Other permits required for the Project include, but are not limited to, the issuance of building permits, encroachment permits for driveways, sidewalks, utilities, and off-site improvements.

The Proposed Project is a project under the California Environmental Quality Act (Public Resource Code § 21000 et seq.: "CEQA"). The primary purpose of CEQA is to inform the public and decision makers as to the potential impacts of a project and to allow an opportunity for public input to ensure informed decision-making. CEQA requires all state and local government agencies to consider the environmental effects of projects over which they have discretionary authority. CEQA also requires each public agency to mitigate or avoid any significant environmental impacts resulting from the implementation of projects subject to CEQA.

Pursuant to Section 15367 of the Guidelines for Implementation of the California Environmental Quality Act ("State CEQA Guidelines"), the City of Garden Grove (City) as the lead agency for the Proposed Project has retained Sagecrest Planning + Environmental to prepare an Initial Study. Sagecrest Planning + Environmental is responsible for preparing environmental documentation in accordance with CEQA to determine if approval of the discretionary actions requested and subsequent development and operation of the Proposed Project would have a significant impact on the environment.

1.1 California Environmental Quality Act Compliance

In accordance with CEQA, this Initial Study has been prepared to analyze and determine any potential significant impacts upon the environment that would result from construction and implementation of the Proposed Project. In accordance with State CEQA Guidelines Section 15063, this Initial Study is a preliminary analysis prepared by the Lead Agency in consultation with other jurisdictional agencies, to determine whether a Negative Declaration, Mitigated Negative Declaration, or an Environmental Impact Report is required for the Proposed Project. The purpose of this Initial Study is to inform the decision-makers, affected agencies, and the public of potential environmental impacts associated with the implementation of the Proposed Project.

A Lead Agency may prepare a Mitigated Negative Declaration for a project that is subject to CEQA when an Initial Study has identified potentially significant effects on the environment, but (1) revisions in the project plans or proposals made by, or agreed to by, the applicant before the proposed Negative Declaration and Initial Study are released for public review would avoid the effects or mitigate the effects to a point where clearly no significant effect on the environment would occur, and (2) there is no substantial evidence in light of the

whole record before the public agency that the project, as revised, may have a significant effect on the environment (Public Resources Code Section 21064.5).

This Initial Study has been prepared for the Proposed Project, in conformance with Section 15070(b) of the State CEQA Guidelines. The purpose of the Initial Study is to identify potentially significant impacts associated with the construction and operation of the Proposed Project and incorporate mitigation measures into the Proposed Project as necessary to eliminate the potentially significant effects of the Proposed Project or to reduce the effects to a less than significant level.

1.2 Content and Format of the Initial Study

This Initial Study is based on an Environmental Checklist Form (Form), as suggested in Section 15063(d)(3) of the State CEQA Guidelines, as amended, and includes a series of questions about the project for each of the listed environmental topics. The Form evaluates whether or not there would be significant environmental effects associated with the construction and operation of the project and provides mitigation measures, when required, to reduce impacts to a less than significant level.

The Initial Study is organized as follows:

- **Section 1 – Introduction.** This section introduces the scope of the Proposed Project and the City's role in the project, as well as a brief summary of findings.
- **Section 2 – Project Summary and Environmental Determination.** This section summarizes the Proposed Project and actions to be undertaken by the City. This section also provides the determination of the environmental document to be approved by the City.
- **Section 3 – Project Description.** This section details the Proposed Project components and general environmental setting.
- **Section 4 – Environmental Impacts**. This section contains the Environmental Checklist Form (Form), as suggested in Section 15063(d)(3) of the State CEQA Guidelines, as amended, and includes a series of questions about the project for each of the listed environmental topics. The Form is based on the current State CEQA Guidelines Appendix G Environmental Checklist Form and it evaluates whether or not there would be significant environmental effects associated with the development of the project and provides mitigation measures, when required, to reduce impacts to a less than significant level. The form requires an analysis in 20 subject categories as well as Mandatory Findings of Significance.
- **Section 5 – List of Preparers.** This section summarizes the professionals who contributed to the preparation of this report and its technical appendices.

- **Section 6 – References.** This section identifies the references used in the preparation of this Initial Study.

1.3 Initial Study Summary of Findings

Based on the analysis in Section 4, there were no environmental factors that could potentially affect ("Potentially Significant") the environment. Mitigation measures were identified to reduce some impacts to Less Than Significant. Therefore, the determination, based on the Initial Study, is that the Proposed Project qualifies for a **Mitigated Negative Declaration.**.

1.4 Documents Incorporated by Reference

The following reports and/or studies are applicable to development of the Project Site and are hereby incorporated by reference:

- *Garden Grove General Plan 2014-2021*, City of Garden Grove.
- *City of Garden Grove Traffic Impact Analysis Guidelines for Vehicle Miles Traveled and Level of Service Assessment,* Fehr & Peers, May 2020.
- *Garden Grove General Plan Update and Focused Zoning Amendments EIR (SCH 2021060714)*, City of Garden Grove, August 2021.
- *Garden Grove General Plan Update EIR (SCH 2008041079),* City of Garden Grove, May 2008.

1.5 Contact Person

Any questions about the preparation of the Initial Study, its assumptions, or its conclusions should be referred to the following:

Attn: Monica Rodriguez, Senior Planner
City of Garden Grove – Planning Services Division
11222 Acacia Parkway
Garden Grove, CA 92840
Phone: (714) 741-5316
Email: monicar@ggcity.org

2 PROJECT SUMMARY AND ENVIRONMENTAL DETERMINATION

2.1 Project Summary

1.	**Project Title:**	Santa Barbara Towns
2.	**Lead Agency Name: Address**	City of Garden Grove – Planning Services Division 11222 Acacia Parkway Garden Grove, CA 92840
3.	**Contact Person:**	Monica Rodriguez, Senior Planner monicar@ggcity.org (714) 741-5316
4.	**Project Location:**	South of Santa Catalina Avenue North of Santa Barbara Avenue West of Valley View Street Site Acres: 1.73-acres Site Addresses: 5802 Santa Catalina Avenue, Garden Grove, CA 92845 Topographic Quad (USGS 7.5"): Los Alamitos Latitude: 33.7911° N, Longitude: -118.0319° W APN: 224-212-01
5.	**Project Sponsor's Name/Address**	Brandywine Homes 2355 Main Street, Suite 220 Irvine, CA 92614
6.	**General Plan Designation:**	Low Density Residential
7.	**Zoning Designation:**	Single-Family Residential R-1

8. Description of Project:

The Proposed Project involves the demolition of a portion of the improvements on the existing parcel, which includes an existing storage structure located towards the southwest center of the existing parcel, restriping of the existing parking lot, and all other associated improvements south of the storage structure. The project will construct twenty-six (26) two-story townhomes, each with a private garage, onsite private drives, active common open space, onsite surface open parking, amenities, and landscaping. Amenities as part of the Project consist of a central community open space with a free-standing coal barbeque, trash receptacle,

and table seating, bench seating, a paseo amenity area with raised garden planters and bench seating for small gatherings, and a community dog bag station. The townhomes feature two-bedroom to four-bedroom units and three different plan types that will range in size from 1,223 square feet to 1,745 square feet. Parking is provided by 52 parking spaces in two-car attached garages and 28 on-site open parking spaces. Landscaping is proposed throughout the Project Site, including in open common spaces and along the site perimeter.

9. Surrounding Land Uses:

Surrounding land uses are identified in **Table 1** - **Surrounding Land Use**. The Project Site is currently improved with an asphalt pavement parking lot which is utilized as overflow parking for the church and associated ancillary structures.

Table 1 - Surrounding Land Use

Direction	Land Use Description
North	Church building and associated surface parking lot
East	Single-family residences
South	Santa Barbara Avenue, multi-family residences and commercial uses beyond Santa Barbara Avenue
West	Alleyway, single-family residences beyond alleyway

10. Other Public Agencies Whose Approval is Required: (permits, financial approval, or participation agreement)

The following discretionary approvals are required for the Proposed Project:

Federal Agencies:

- There are no federal agencies in which discretionary approvals are required.

Local Agencies:

- City of Garden Grove:
  - Adopt CEQA compliance documents;
  - Approval of General Plan Amendment GPA-001 to amend the General Plan land use designation of the Project site from Low Density Residential (LDR) to Low Medium Density Residential (LMR).
  - Approval of Zoning Amendment to change the Project Site parcel to R-3, Multiple-Family Residential.
  - Approval of Tentative Parcel Map No. 2024-124 to subdivide the existing parcel to allow for the development of the Proposed Project.
  - Approval of Tentative Tract Map No. 19336 to allow for the development of 26-unit townhomes on a single lot.

  - Approval of Variance to deviate from the required rear yard setback for second-story building areas.
  - Approval of Site Plan SP-150-2025 to construct the 26 two-story townhomes along with associated site improvements.
  - Approval of Conditional Use Permit CUP-119-60 (REV. 2025) to modify the existing religious CUP to allow the development of the residential project.
- Santa Ana Regional Water Quality Control Board:
  - Approval of a National Pollutant Discharge Elimination System (NPDES) permit to ensure that construction site drainage velocities are equal to or less than the pre-construction conditions and downstream water quality is not worsened.

11. California Native American Consultation:

On August 1, 2024, the City of Garden Grove notified the following tribal entity representatives of the Proposed Project and the 30-day and 90-day timeframe in which to request consultation in accordance with AB52 and SB18:

- Gabrieleno Band of Mission Indians – Kizh Nation
- Gabrieleno Tongva Indians of California Tribal Council
- Gabrieleno/Tongva San Gabriel Band of Mission Indians
- Soboba Band of Luiseno Indians
- Juaneño Band of Mission Indians Acjachemen Nation
- Juaneño Band of Mission Indians Acjachemen Nation - Belardes
- Torres Martinez Desert Cahuilla Indians
- Pala Band of Mission Indians
- Santa Rosa Band of Cahuilla Indians

Of the tribes contacted, the following responses were received:

- August 7, 2024 – Andrew Salas, Chairman of Gabrieleno Band of Mission Indians – Kizh Nation requested a consultation with the City regarding the Project. Based on the consultation with the City, the Gabrieleno Band of Mission Indians – Kizh Nation (Tribe) submitted a letter indicating that the Project site is located within the boundaries of Kizh ancestral territory. Therefore, the Project may have "adverse impacts on Kizh historical landscapes, ceremonial places, subsurface artifacts, and other Kizh tribal cultural resources (TCR)." The letter proposed additional tribal cultural resource mitigation measures (**TCR-1**, **TCR 2**, and **TCR-3**) to be adopted and enforced to reduce the Project's impacts on tribal cultural resources.

2.2 Organization of Environmental Analysis

This Initial Study is based on an Environmental Checklist Form (Checklist), as suggested in Section 15063(d)(3) of the State CEQA Guidelines, as amended, and includes a series of questions about the project for each of the listed environmental topics. The Checklist evaluates whether there would be significant environmental effects associated with the development of the project and provides mitigation measures, when required, to reduce impacts to a less than significant level.

Section 4 provides a discussion of the potential environmental impacts of the Proposed Project. The evaluation of environmental impacts follows the questions provided in the Checklist provided Appendix G to the State CEQA Guidelines.

2.3 Evaluation of Environmental Impacts

A brief explanation is required for all answers except "No Impact" answers that are adequately supported by the information sources a lead agency cites in the parentheses following each question. A "No Impact" answer is adequately supported if the referenced information sources show that the impact simply does not apply to the project (e.g., the project falls outside a fault rupture zone). A "No Impact" answer should be explained where it is based on project-specific factors as well as general standards (e.g., the project will not expose sensitive receptors to pollutants, based on a project-specific screening analysis).

All answers must take account of the whole action involved, including off site as well as on site, cumulative as well as project-level, indirect as well as direct, and construction as well as operational impacts.

Once the Lead Agency has determined that a particular physical impact may occur, the checklist answers must indicate whether the impact is potentially significant, less than significant with mitigation, or less than significant.

"Potentially Significant Impact" is appropriate if there is substantial evidence that an effect may be significant. If there are one or more "Potentially Significant Impact" entries when the determination is made, an EIR is required.

"Less Than Significant with Mitigation Incorporated" applies where the incorporation of mitigation measures has reduced an effect from "Potentially Significant Impact" to a "Less Than Significant Impact." Mitigation measures are identified and explain how they reduce the effect to a less than significant level (mitigation measures may be cross-referenced).

Earlier analyses may be used where, pursuant to the Program EIR or other CEQA process, an effect has been adequately analyzed in an earlier EIR or negative

declaration. (Section 15063[c] [3][D]. In this case, a brief discussion should identify the following:

a) Earlier analyses were used where they are available for review.

b) Which effects from the above checklist were within the scope of and adequately analyzed in an earlier document pursuant to applicable legal standards and whether such effects were addressed by mitigation measures based on the earlier analysis.

c) The mitigation measures that were incorporated or refined from the earlier document and the extent to which they address site-specific conditions for the project for effects that are "Less than Significant with Mitigation Measures Incorporated".

References and citations have been incorporated into the checklist references to identify information sources for potential impacts (e.g., general plans, zoning ordinances). Reference to a previously prepared or outside document, where appropriate, include a reference to the page or pages where the statement is substantiated.

Source listings and other sources used, or individuals contacted are cited in the discussion.

The explanation of each issue should identify:

a) The significance criteria or threshold, if any, used to evaluate each question.

b) The mitigation measure identified, if any, to reduce the impact to less than significant.

2.4 Environmental Factors Potentially Affected

Based on the analysis in Section 4, the Proposed Project could potentially affect ("Potentially Significant") the environmental factor(s) checked below. The following pages present a more detailed checklist and discussion of each environmental factor and identifies where mitigation measures would be necessary to reduce all impacts to less than significant levels.

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

2.5 Determination

On the basis of this initial evaluation, the following finding is made:

	The Proposed Project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.
X	Although the Proposed Project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the Project have been made by or agreed to by the Project proponent. A **MITIGATED NEGATIVE DECLARATION** will be prepared.
	The Proposed Project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.
	The Proposed Project MAY have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.
	Although the Proposed Project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the Proposed Project, nothing further is required.

Signature _____ Date _____

Name _____ Title _____

3 PROJECT DESCRIPTION

3.1 Background

The 1.73-acre Project Site is located on a portion of a larger 3.03-acre parent parcel (APN 224-212-01) and is improved with an asphalt pavement parking lot which is utilized as overflow parking for the church and associated structures located on the Project Site. The larger parcel, including the Project Site, is owned by Grace Baptist Church of Garden Grove. The Project Site is located at an elevation of approximately 32 ft amsl. Based on the topography and existing surface conditions, general surface water flow is to the south.

The Project Site is located at 5802 Santa Catalina Avenue in the City of Garden Grove (City), Orange County, California and can accommodate the development of twenty-six (26) unit two-story townhomes with attached garages, onsite parking, amenities, yoga lawn, seating, outdoor workout equipment, and landscaping (Project).

Based on review of historical aerial images provided by Environmental Database Resources (EDR) and analyzed in the February 2024 Phase I and II Environmental Site Assessment (ESA) by Stantec, the Project Site and surrounding properties were utilized for agricultural purposes between the 1920's and 1950's. By 1963, the site appears to have been graded for future development and is no longer used for agricultural purposes. The surrounding properties appear to be developed for residential development, commercial buildings, and their associated improvements, including pavement of Santa Barbara Avenue. By the 1970s, the site was paved with asphalt and the existing ancillary building seen onsite present day and the church buildings and their associated surface parking directly north of the site are constructed. By 1990, the site appears to have been striped for parking spaces. There also appears to be a small grass area located directly north of the ancillary building. The site currently has the same configuration as that in the 1990s with the existing ancillary building and portion of the grass area located along the northwest site boundary and the church's associated asphalt pavement throughout the remainder of the site.

Project Site Setting

The Project will be constructed on a ± 1.73-acre portion of a larger parent parcel (APN 224-212-01) located at 5802 Santa Catalina Avenue in the City of Garden Grove and will allow for the development of twenty-six (26) two-story townhomes and their associated improvements. The Project Site is currently developed with one ancillary building, a portion of a grass area, and an overflow asphalt parking lot for the adjacent church. The Project Site is surrounded by the church buildings

and their associated parking lot to the north, an alleyway to the west, single-family residences to the east, and Santa Barbara Avenue to the south. There are single-family residences beyond the alleyway to the west and multi-family and commercial uses beyond Bailey Street/Santa Barbara Avenue to the south (**Figure 1** – Regional Vicinity and **Figure 2** – Aerial View). The site is currently zoned for single-family residential uses (R-1 zoning, Designation R-1-6) and a land use designation of Low Density Residential. Current landscaping on the site is minimal, with roughly 11,000 square feet of lawn area.

The Project Site is located within the Coastal Plain of Orange County Groundwater Basin. The basin is bound to the north by consolidated rocks of the Puente and Chino Hills, to the east by the Santa Ana Mountains, to the south by the San Joaquin Hills, and to the southwest by the Pacific Ocean. The basin underlies a coastal alluvial plain and the lower Santa Ana River watershed (DWR, 2003).

Site General Plan Land Use and Zoning

The Project Site parcel (APN 224-212-01) is located in the Single-Family Residential Zone (R-1-6) and has a land use designation of Low Density Residential (**Figure 3** – *Existing General Plan Designation/Zoning Map*). A tentative parcel map to divide the Project Site from the larger parent parcel and tentative tract map to subdivide the lot into a single lot, 26-unit parcel for condominium purposes. The proposed parcel will require a zone change from R-1 Single-Family Residential to Multiple-Family Residential (R-3). R-3 zoning is consistent with the surrounding land uses to the south and west of the Project Site and allows for the development of up to 32 dwelling units per acre (du/ac) (City of Garden Grove Municipal Code, GGMC Section 9.12.040.020). The proposed parcel will require a general plan amendment to amend the general plan from Low Density Residential (LDR) to Low Medium Density Residential (LMR)

3.2 Project Characteristics

The Proposed Project includes the following:

<u>Site Plan</u>: The Proposed Project involves the demolition of a portion of the improvements on the existing parcel, which includes an existing storage structure located towards the southwest center of the existing parcel, restriping of the existing parking lot, and all other associated improvements south of the storage structure, including a portion of the existing preschool (Look Who's Learning Preschool), playground area, and fencing. The project will construct twenty-six (26) two-story townhomes, each with a private garage, onsite private drives, active common open space, onsite surface open parking, amenities, and landscaping. Amenities as part of the Project consist of a central community open space with a free-standing coal barbeque, trash receptacle, and table seating,

bench seating, a paseo amenity area with raised garden planters and bench seating for small gatherings, and a community dog bag station. The townhomes feature two-bedroom to four-bedroom units and three different plan types that will range in size from 1,223 square feet to 1,745 square feet. Parking is provided by 52 parking spaces in two-car attached garages and 28 on-site open parking spaces. Landscaping is proposed throughout the Project Site, including in open common spaces and along the site perimeter.

The proposed mix of residential units is summarized in **Table 2** – Proposed Development and shown in **Figure 4** - Conceptual Site Plan, and **Figure 5A, 5B, and 5C** – Concept Design Elevations.

Table 2 – Proposed Development Summary

Plan Type	Number of Units	Floor Plan	Unit Size (SF)
Plan 1	8	2 bed/2.5 bath	1,223
Plan 2	10	3 bed/2.5 bath	1,421
Plan 3	8	4 bed/3 bath	1,745

The attached townhomes will be built in five different buildings, surrounded by landscaping, common open space, and private drives (Refer to **Figures 6A, 6B,** and **6C** – Building and Floor Plans). Building A1 will be located at the northeastern corner of the Project Site and will consist of three townhomes, one of each plan type. Building B2 will be located just west of building A1 and will consist of one Plan 1 unit, one Plan 2 unit, and one Plan 3 unit. Buildings C3, C4, and C5 will be located on the western half of the Project Site. Each building will be comprised of six townhomes and will feature two of each plan type. In between Buildings A1 and B2 is a landscaped passive amenity seating area. Building B2 is separated from Buildings C3 and C4 by Private Drive 'B,' while Buildings C3 and C4 are separated by Private Drive 'C.' Buildings C4 and C5 are separated by a central community open space area that includes a lawn, shade structure, barbeque, and table seating. Twenty-eight (28) onsite open parking spaces will be congregated directly east of Building A1 and at the southern Project Site boundary. There are two accessible parking spaces at the southern terminus of Private Drive 'B.'

The Proposed Project provides a total of 10,267 square feet of open space which includes 3,667 square feet of active recreation space. A six-foot-high stucco over concrete masonry unit (CMU) wall with a flat stucco cap is proposed along the northern, southern and western site boundaries. To separate the Proposed Project

from single-family homes to the east, an existing six-foot wall will be protected in place on the property line. Units with private patios or yards will include 3'- 6" high vinyl fences that bound dwelling unit patios or yards. Refer to **Figure 7** – Schematic Wall & Fence Plan, for details on the wall locations and materials.

Architecture: The proposed attached townhomes will be built in five buildings (buildings A1, B2, C3, C4, and C5) and yield a total of 26 dwelling units. Each building will range in unit number and plan type. For example, building A1 will consist of one Plan 1 unit, one Plan 2 unit, and one Plan 3 unit. Building B2 will consist of one Plan 1 unit, three Plan 2 units, and one Plan 3 unit. Buildings C3, C4, and C5 will consist of two of each plan type. The architectural style of the proposed buildings includes design details such as shingle roofs, stucco, board and batten siding, earth-tone trims, decorative corbels, and vinyl windows. The first eave will be 9'-1" high and the second eave will be 9'-1" above the first eave.

Floorplans will range from two to four bedrooms and be between 1,223 and 1,745 square feet.

Landscaping and Open Space: The Proposed Project will include a total of 10,267 square feet of open space, which includes 3,667 square feet of active recreation space, and landscaping throughout the Project Site. Landscaping is proposed along the site perimeter and in common space areas. The central community open space will be located between buildings C4 and C5 and will feature a grass lawn, shade structures, free standing barbeque, trash receptacles, and table seating for social events, HOA meetings, and group gatherings. The common open space in the northeast corner is to be utilized as an amenity area with a yoga lawn, seating, and outdoor workout equipment. Open common space will also be present between buildings with surrounding landscape around walkways and additional seating areas. The Project will include the installation of 90 planted trees with low-water demand, such as Fruitless Olive, Shoestring Acacias, African Sumacs, citrus trees, Marina Strawberry trees and more. Landscaped areas throughout the Project Site will also include low-water demand shrubs and groundcover, consisting of Aloe, Dwarf Bottlebrush, Trailing Ice Plant, Hazel Spanish Lavender, and other native plants. See **Figure 8** – Conceptual Landscape and Open Space Plans, for details on specific landscape planting and open space details.

The irrigation for landscaping will be provided and installed during the construction document phase and will be installed per local California Water Regulations (AB 2992). Landscape and irrigation plans will comply with GGMC Section 9.08.040 for water efficiency provisions. All trees within five feet of hardscape will be installed with deep root barriers. Three inches of bark mulch will

be used in non-turf areas to minimize moisture loss. Units will have access to any of the open common spaces using the paseos and walkways.

Off-Site Improvements: Street Improvements include curb, sidewalk, and landscape enhancements along Santa Barbara Avenue. There are 7 parkway trees, 5 street trees, and landscaped groundcover proposed in the public right of way along the perimeter of the site. Driveway entrances and exits will include enhanced paving and brick cover.

Parking: According to GGMC Section 9.12.040.180, developments with less than 50 units and are not adjacent to any principal, major, primary, or secondary arterial street require 2.5 parking spots per dwelling unit for units with less than three bedrooms, and 3.25 spots per dwelling unit for units with three or more bedrooms. Therefore, the Proposed Project will require a total of 79 parking spaces (average of 3.04 parking spaces per unit). The Proposed Project provides a total of 80 parking spaces (average of 3.08 parking spaces/unit), with 52 spaces within private garages and 28 onsite open parking spaces. Each unit will contain a two-car private garage. As part of the Project's Conditions of Approval and the Project's Homeowners Association (HOA), garages will be limited to parking vehicles and may not be converted into ADUs.

Site Circulation: Vehicular access to the Project Site will be from three right-in/right-out ingress and egress driveways along Santa Barbara Avenue. The first driveway will be located at the northeast corner of the Project Site off Santa Barbara Avenue and connect into Private Drive 'A.' The vehicles that enter this driveway will have access to open parking, paseo amenities, and building A1. The second driveway will be located in the middle of the site boundary along Santa Barbara Avenue and connect into Private Drive 'B.' Vehicles that enter this driveway have access to accessible parking, Private Drive 'C,' buildings B2, C3, and C4, and the common park area. The final driveway will be located along the southern portion of the site boundary along Santa Barbara Avenue and connects into Private Drive 'D.' Vehicles that enter this driveway have access to building C5 and open parking spaces located at the southern portion of the Project Site. While an alley runs along the west boundary of the site, all site access will be taken from Santa Barbara Avenue. Two emergency access driveways will connect to the alley and have crash gates installed to prohibit non-emergency access.

Site Lighting: Site lighting consists of the existing light poles that are present along the public right-of-way on Santa Barbara Avenue and Bailey Street. Building fronts will also have low-level lighting to prevent light intrusion into residential units. Units will include light fixtures on building elevations.

Stormwater Management: The site currently drains east and south onto Santa Catalina Avenue as sheet flow into a street edge gutter, and a portion drains to

the west to the alley into a 6-foot-wide gutter running along the center of the alley. Drainage flows south to an existing catch basin and concrete channel approximately 2,000 feet away. No onsite storm drain infrastructure was found during the site reconnaissance and site survey conducted by Advanced Civil Group. The USDA Soil Survey lists the soil as Hydrologic Soil Group A which generally has high infiltration characteristics. The Orange County Mapped Depth to First Groundwater shows that groundwater is slightly more than 10 feet below grade. The existing site is entirely impervious while the Proposed Project will include pervious landscaped areas; thus, hydromodification requirements should not impact the design of the Project.

The post development drainage will consist of sheet flow drainage in drive aisles which flow to gutters and then to onsite catch basins. Other drainage includes area drain inlets in landscaped areas. All drainage that is captured by the catch basin and area drains will flow in underground storm drainpipes to a proprietary biotreatment system that will treat the runoff. Runoff will then be pumped to a curb core drain which flows to the public street.

The Project Site is located within the City's sanitary sewer district service area. There is an existing 8-inch City sanitary sewer line located to the north in the Santa Catalina Avenue centerline. There is also an existing 8-inch City sanitary sewer line located to the south in the Santa Barbara Avenue centerline. Both sewer lines are at a depth of approximately 9 feet from surface to invert. Construction of the Proposed Project will also require the developer to prepare a Stormwater Pollution Prevention Plan (SWPPP), as the Project Site is more than one acre in size.

Utilities and Services: Water and sewer services will be provided by the City of Garden Grove Public Works Department – Water Services Division.

The Southern California Gas Company has facilities in the area to service gas to the project.

Electrical Infrastructure will be serviced by Southern California Edison.

3.2.1 Construction Timing

The project is expected to begin demolition of the existing building and lot in late 2024, construction starting shortly thereafter. Construction completion and operations are expected in 2026.

Construction activities will include the following:

Demolition: Demolition requires the use of one concrete/industrial saw, one rubber tired dozer, and three tractors, loaders, or backhoe. The total time estimate for demolition is 20 construction days, working 8 hours per day.

Site Preparation: Site preparation will require the use of one grader and one tractor, loader, or backhoe for 8 hours per day and one rubber-tired dozer for 7 hours per day. The total time estimated for site preparation is two construction days.

Grading: Grading the Project Site will require the use of one grader and one rubber tired dozer used for 8 hours per day, and one tractor, loader, or backhoe used for 7 hours per day. Total estimated time for grading the site is four construction days.

Building Construction: Building construction of the five buildings is the longest part of the construction process, estimated at 200 construction days. One crane, one forklift, and one tractor, loader, or backhoe will operate for 6 hours per day. Welders and generator sets will operate for 8 hours per day. Building material will minimize the use of copper, galvanized metals and other materials that could add significant amounts of harmful pollutants to stormwater runoff.

Paving: The paving process will require the use of one cement and mortar mixer and one paver used for 6 hours per day; one paving equipment and one tractor, loader, or backhoe used for 8 hours per day; and one roller used for 7 hours per day. The total construction estimated time for paving is 10 construction days.

Architectural Coating: The architectural coating will require the use of one air compressor for 6 hours per day for 10 construction days.

3.2.2 Best Management Practices During Construction

The following best management practices will be incorporated into the Proposed Project's construction specifications to identity how the Proposed Project would conform to Federal, State, and Local regulations:

- Construction Water Quality Control: Construction projects that disturb 1 acre of land or more are required to obtain coverage under the NPDES General Permit for Construction Activities (General Construction Permit), which requires the applicant to file a notice of intent (NOI) to discharge stormwater and to prepare and implement a Stormwater Pollution Prevention Plan (SWPPP). The SWPPP includes an overview of the Best Management Practices (BMPs) that would be implemented to prevent soil erosion and discharge of other construction-related pollutants that could contaminate nearby water resources. Examples of general BMPs from the California Stormwater Quality Association (CASQA) include stabilized construction entrances and exits, storm drain inlet protection, buffer strips, and silt fences. The Project Site is more than 1 acre; therefore, the developer is required to provide an SWPPP. The SWPPP will also address post-construction measures for water quality protection.

- Water Quality Management Plan: The project will be required to retain Urban Runoff onsite in conformance with local ordinances.

3.3 Project Operations

The Project includes the development of 26 two-story townhomes with associated improvements, including onsite parking, landscaping, common open space, and amenities.

The Project will include activities typical of residential development, such as landscape maintenance, daily vehicle trips as residents leave and return, street cleaning on private streets, and common area recreational activities. The population increase from the Proposed Project relies on the assumption that each dwelling unit would contain four people (Garden Grove average), increasing the City's population by approximately 92 people in 26 dwelling units.

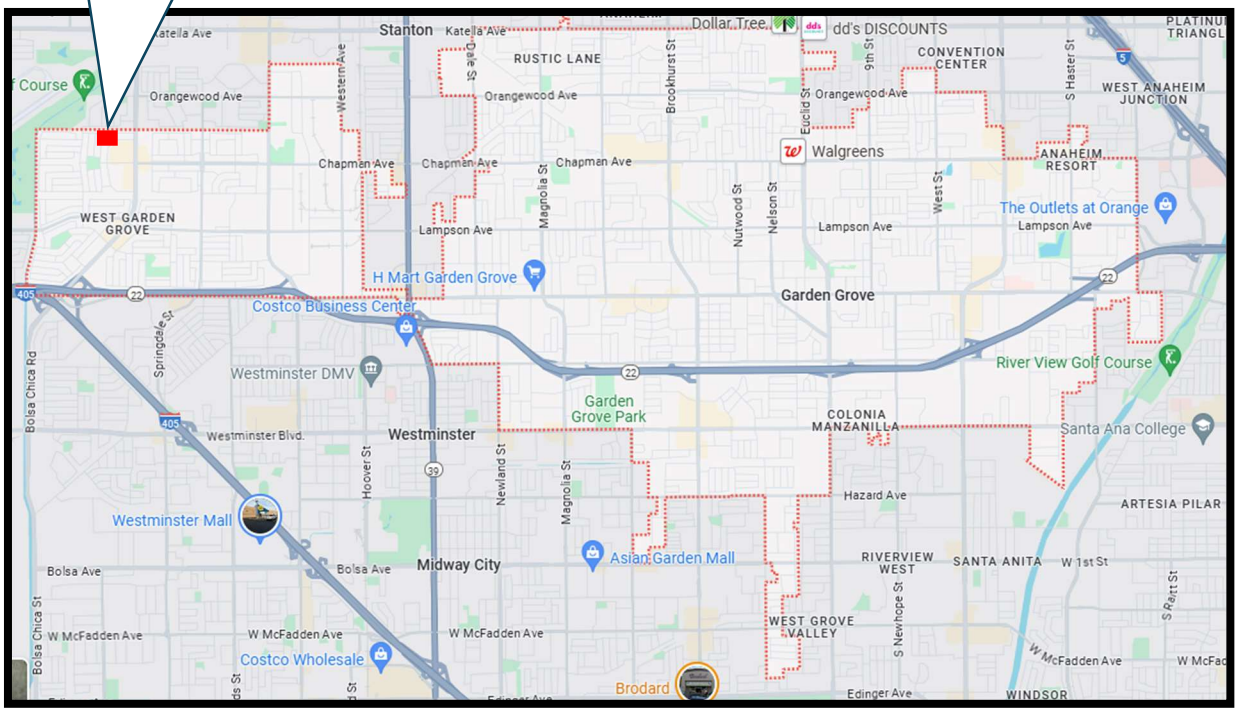
Operation of the Proposed Project will require electricity for multiple purposes, including cooling, lighting, appliances, and various equipment. The Project will be fully operated through electricity; therefore, project operation will not require natural gas for water heating or appliances. During operation, the majority of fuel consumption will involve the use of motor vehicles for residential use. Petroleum fuel consumption associated with motor vehicles traveling to and from the Project Site is a function of Vehicle Miles Traveled (VMT) as a result of the Project operation.

3.4 Project Approvals

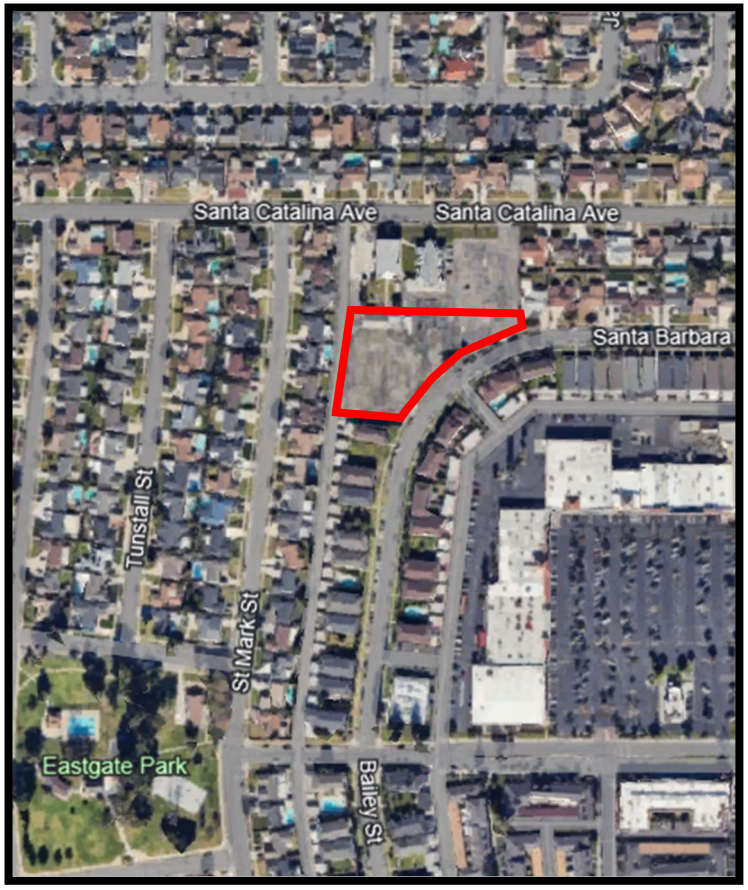
The following approvals and permits are required from the City of Garden Grove to implement the Proposed Project:

- Approval of zone change at Project Site from Single-Family Residential (R-1) to Multi-Family Residential (R-3)
- Approval of general plan amendment at Project Site from Low Density Residential (LDR) to Low Medium Density Residential (LMR)
- Approval of Tentative Parcel Map and Tentative Tract Map
- Adopt Mitigated Negative Declaration (MND) with the determination that the MND has been prepared in compliance with the requirements of CEQA
- Approval of Land Use Permit
- Approval of Hydrology and Soil Reports
- Approval of Preliminary Water Quality Management Plan

Project Location

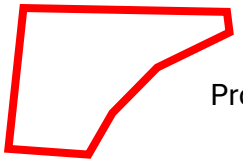


Project Address: 5802 Santa Catalina Avenue, Garden Grove, Orange County, California 92845



Project Site

Figure 1: Regional Vicinity
Source: *Google Maps and Google Earth*

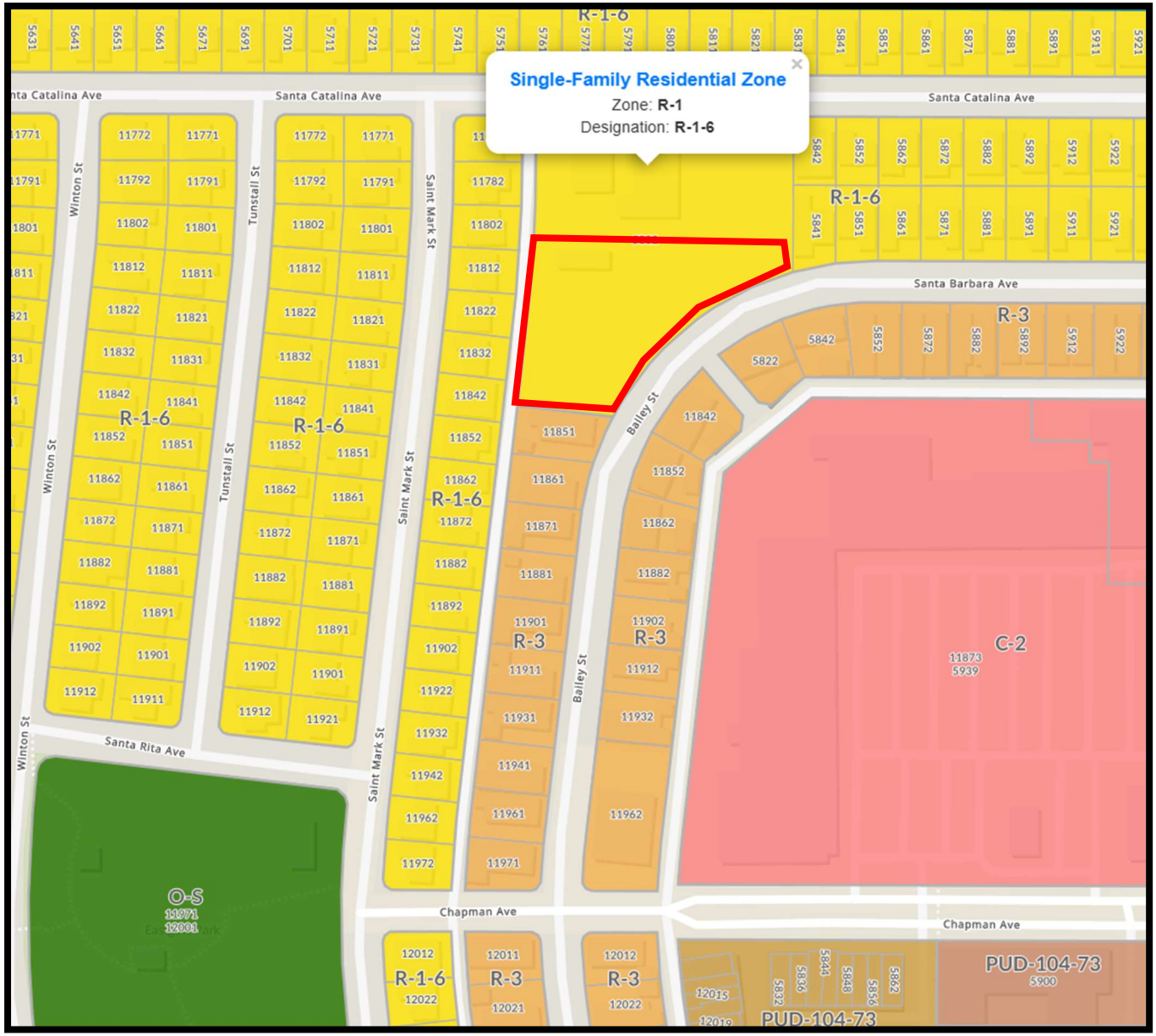


Project Site

Project Address: 5802 Santa Catalina Avenue, Garden Grove, CA 92845

Figure 2: Aerial View – Site Location

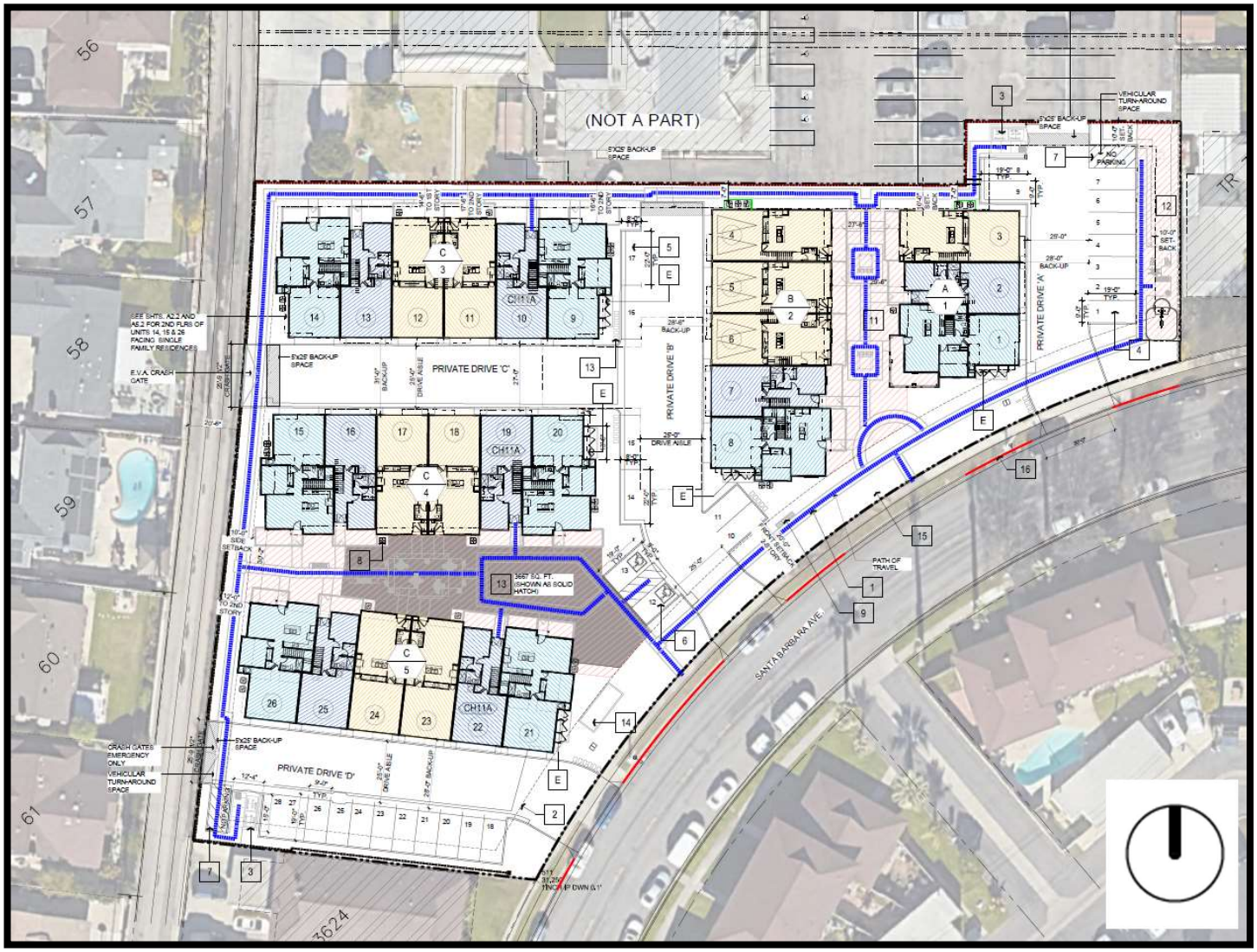
Source: *Google Maps*



Project Site

Figure 3: Existing General Plan Land Use Designation/Zoning Map

Source: *City of Garden Grove General Plan, Zoning Map*



Site Summary

Residential Site Area:	±1.73 Acres
Product Type:	2 Story Townhomes
Dwelling Units:	26 Units
Net Density:	15.2 du/ac, 2,900 sf/unit
Lot Coverage:	±27,555 sf (36%)
Site Area:	±75,646 sf

Unit Summary

Plan	Type	Stories	Net Area	#
1	2 bed/2.5 bath	2	1,223 sf	8 Du
2	3 bed/2.5 bath	2	1,421 sf	10 Du
3	4 bed/3 bath	2	1,745 sf	8 Du
Total				26 Du

Parking Summary:

Parking Required:	
2 Bed: 8 Du x 2.5 Sp/Unit:	20 Spaces
3+ Bed: 18 Du x 3.25 Sp/Unit:	59 Spaces
Total Required:	79 Spaces (3.04/Unit)
Parking Provided:	
Private Garages:	52 Spaces (10'x20')
Onsite Open Parking:	28 Spaces (9'x19')
Total:	80 Spaces (3.08/Unit)

Development Standards:

	Req'd	Prov. 1st	Prov. 2nd
2-Story Front Setback	20'	20'	20'
2-Story Side Setback	10'	10'	12'
2-Story Rear Setback	20'	10'	10'
Height	35' max		29'-2"

SITE PLAN LEGEND

- ACCESSIBLE PATH OF TRAVEL
- OPEN SPACE
- USABLE ACTIVE AREA
- 5'X25' BACKUP SPACE

SITE PLAN KEYNOTES

1. PROPERTY LINE
2. SETBACK
3. TRASH ENCLOSURE
4. PERPENDICULAR PARKING SPACE
5. PARALLEL PARKING SPACE
6. ACCESSIBLE PARKING SPACE
7. VEHICULAR TURN AROUND SPACE
8. AC CONDENSER PAD - SEE LANDSCAPE DRAWINGS FOR SCREENING
9. MAIL KIOSK - SEE LANDSCAPE DRAWINGS
10. ACTIVE COMMON OPEN SPACE - SEE LANDSCAPE SHEETS. MIN. 20' DIMENSION.
11. SEATING / PASSIVE AMENITY - SEE LANDSCAPE DRAWINGS
12. DOG RUN AMENITY - SEE LANDSCAPE DRAWINGS
13. WATER METERS
14. FILTERA UNDERGROUND BASIN
15. TRANSFORMER
16. RED CURB

LEGEND

- X — BUILDING TYPE
- # — BUILDING NUMBER
- ## — UNIT NUMBER
- CH11A — CH11A-COMPLIANT UNIT
- E — ELECTRICAL POINT OF CONNECTION (POC)
- AC UNIT
- BOUNDARY LINE

Figure 4: Conceptual Site Plan

Source: *KTGY*

Building A

MATERIAL LEGEND
1. Shingle Roof
2. Stucco
3. Board and Batten Siding
4. Trim
5. Garage Door
6. Entry Door
7. Light Fixture
8. Decorative Corbels
9. Vinyl Windows

Figure 5A: Building Elevations – Building A
Source: *KTGY*

Building B

MATERIAL LEGEND
1. Shingle Roof
2. Stucco
3. Board and Batten Siding
4. Trim
5. Garage Door
6. Entry Door
7. Light Fixture
8. Decorative Corbels
9. Vinyl Windows

Figure 5B: Building Elevations – Building B
Source: *KTGY*

Building C

MATERIAL LEGEND
1. Shingle Roof
2. Stucco
3. Board and Batten Siding
4. Trim
5. Garage Door
6. Entry Door
7. Light Fixture
8. Decorative Corbels
9. Vinyl Windows

Figure 5C: Building Elevations – Building C
Source: *KTGY*

Building A

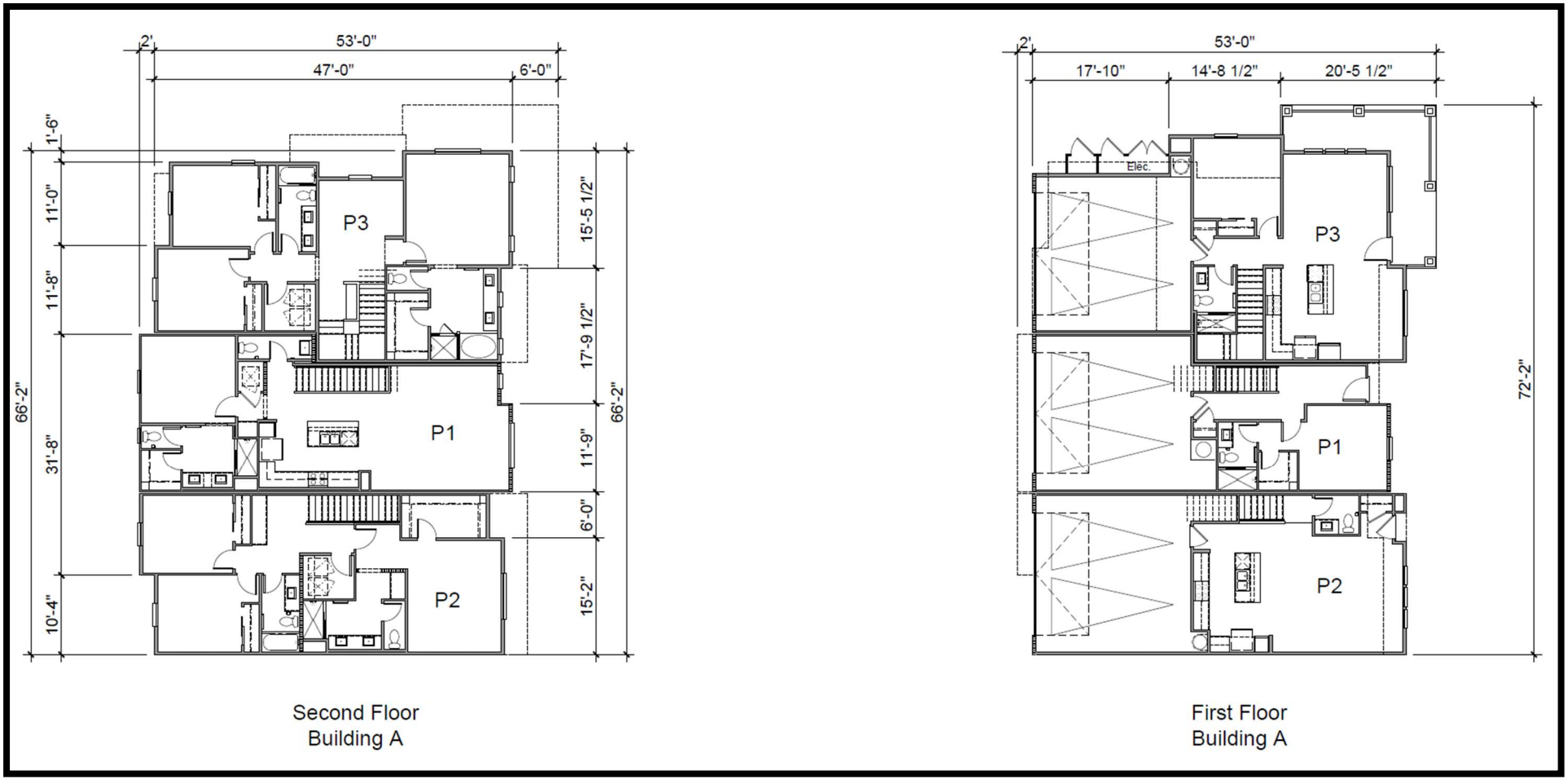


Figure 6A: Building Plans – Building A
Source: *KTGY*

Building B

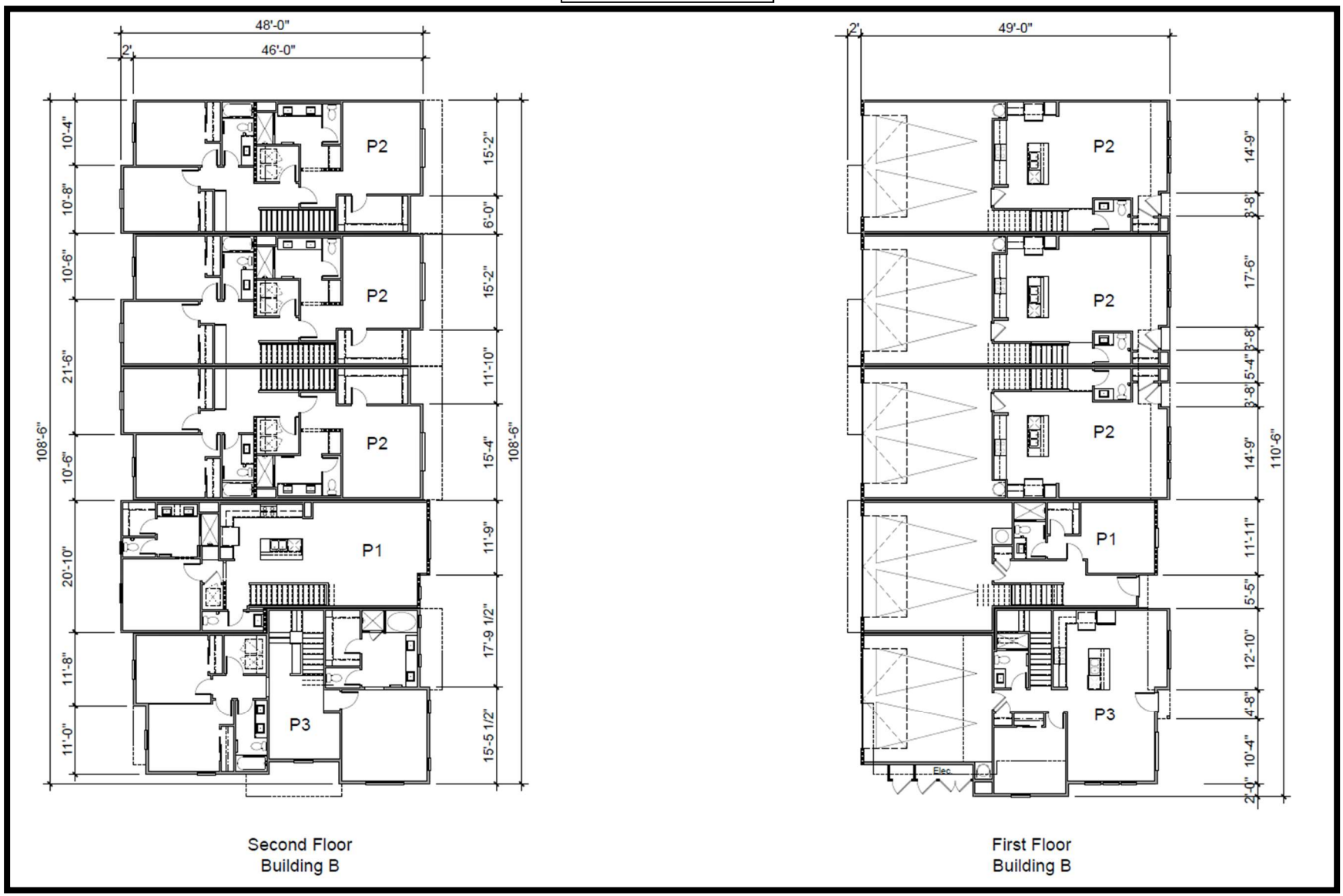


Figure 6B: Building Plans – Building B

Source: *KTGY*

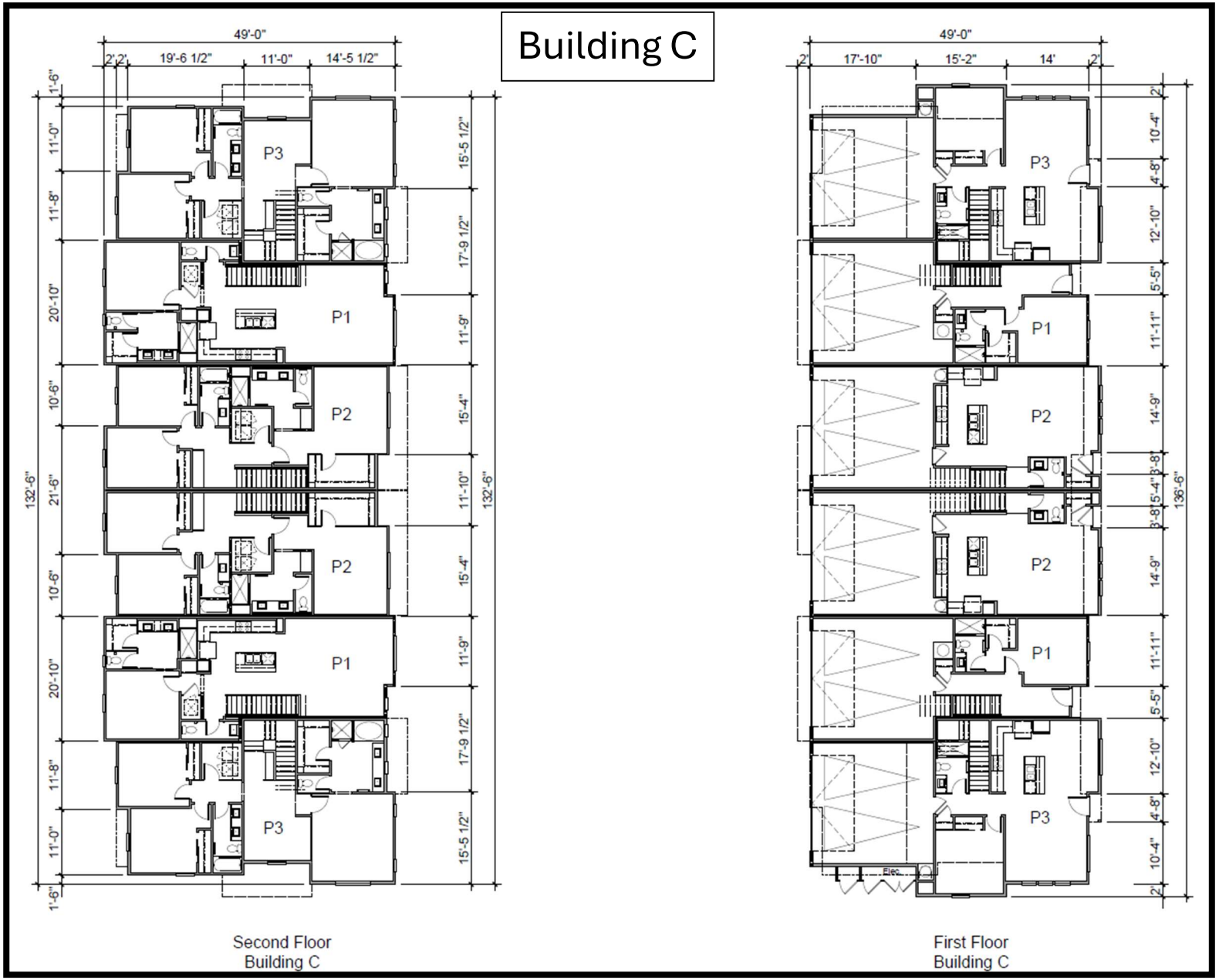


Figure 6C: Building Plans – Building C

Source: *KTGY*

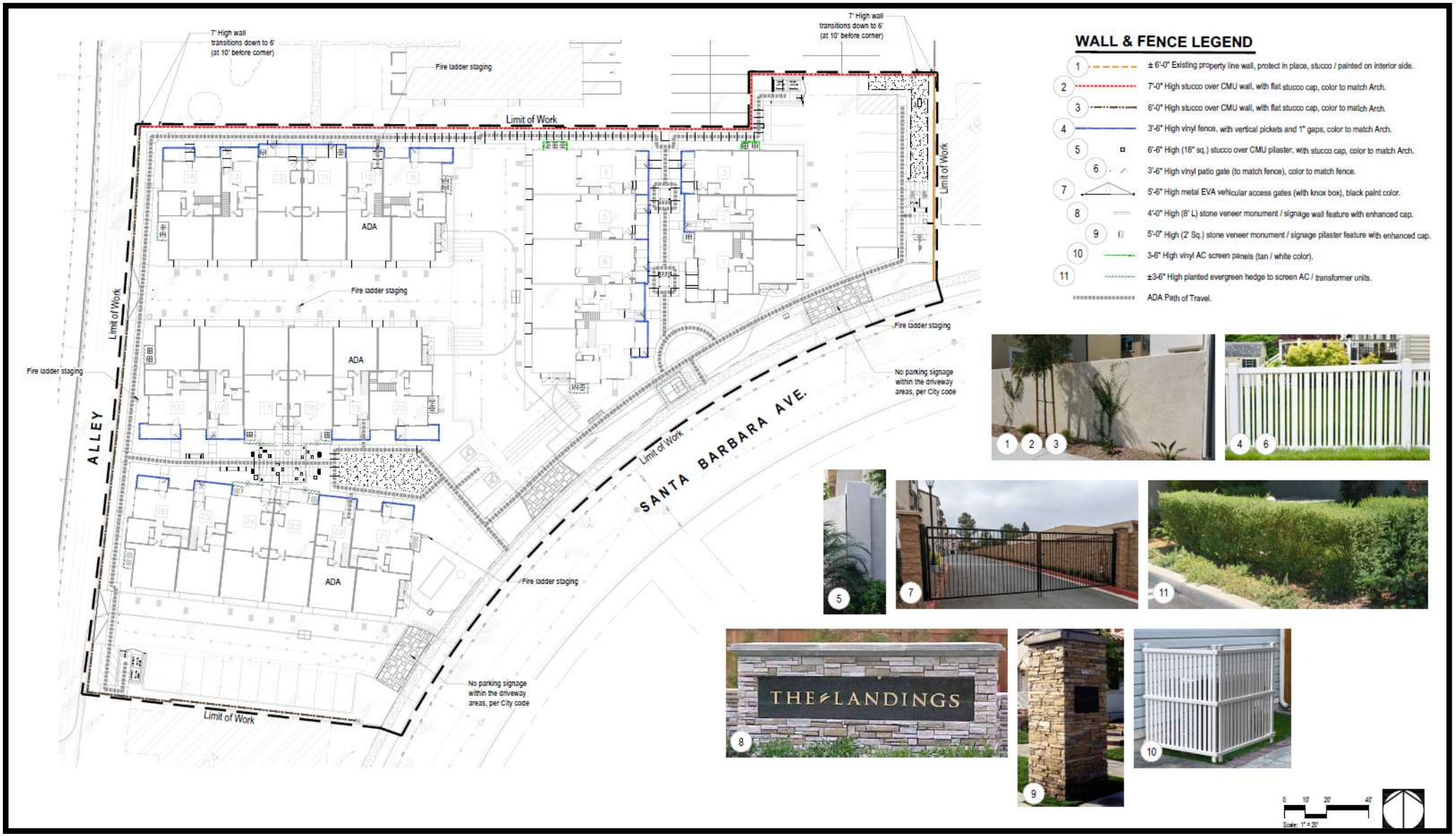


Figure 7: Schematic Wall & Fence Plan

Source: *KTGY*

Figure 8: Landscape Plan
Source: *KTGY*

4 ENVIRONMENTAL IMPACTS

4.1 Aesthetics

Environmental Setting

The Project Site is located south of Santa Catalina Avenue, north of Santa Barbara Avenue, and east of an alleyway. The Project Site has a General Plan land use designation of Low Density Residential and is zoned for R-1-6. The Project proposes a general plan amendment to Low Medium Density Residential (LMR) and a zone change to R-3. The Project will be constructed on a ± 1.73-acre portion of a larger parent parcel (APN 224-212-01) and is currently improved with an ancillary building and overflow asphalt parking for the church. The Project Site is surrounded by the church buildings and their associated parking lot to the north, an alleyway to the west, single-family residences to the east, and Santa Barbara Avenue to the south. There are single-family residences beyond the alleyway to the west and multi-family and commercial uses beyond Bailey Street/Santa Barbara Avenue to the south. Current landscaping within the Project Site is minimal. The Project consists of 26 two-story townhomes with attached garages, onsite parking, amenities, and landscaping.

Regulatory Framework

California Scenic Highways

The California Department of Transportation (Caltrans) manages the State Scenic Highway Program. Caltrans provides guidance to local government agencies, community organizations and citizens that are pursuing the official designation of a State Scenic Highway.

In 1963, Senate Bill 1467 (Farr) added § 260 through 263 to the Streets and Highways Code. In these statutes the State proclaims intent to:

> "…establish the State's responsibility for the protection and enhancement of California's natural scenic beauty by identifying those portions of the State highway system which, together with adjacent scenic corridors, require special conservation treatment." (Scenic corridors consist of land that is visible from, adjacent to, and outside the highway right-of-way, and is comprised primarily of scenic and natural features. Topography, vegetation, viewing distance, and/or jurisdictional lines determine the corridor boundaries.)

Existing law provides Caltrans with full possession and control of all State highways. This legislation places the Scenic Highway Program under the stewardship of Caltrans.

The legislation further declares the intent of the State to assign responsibility for the regulation of land use and development along scenic highways to the appropriate State and local governmental agencies. A county highway component was later added to the Scenic Highway Program in §154 of the Streets and Highways Code.

City of Garden Grove General Plan

The Garden Grove General Plan (GGGP) discusses the goals and policies in place for land use, community design, and open space and recreation in order to ensure compatible development throughout the City, ensure quality and design to promote a positive image, and to support the provision and maintenance of open space areas within Garden Grove.

Garden Grove Municipal Code

The Garden Grove Municipal Code (GGMC) Title 9 – Land Use provides specific development standards for redevelopment projects to ensure attractive growth and development of the City. More specifically, these development standards include standards for building design, yards and related encroachments, outdoor improvements, surrounding fences and walls, landscaping, vehicular provisions, and utilities and mechanical equipment. The code also regulates site lighting, parking improvements, and signs in order to provide aesthetically pleasing development.

Impact Analysis

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

Discussion

a) Have a substantial adverse effect on a scenic vista?

No Impact. A scenic vista is the view of an area that is visually or aesthetically pleasing from a certain vantage point, typically viewed from some distance away. Aesthetic components of a scenic vista include (1) scenic quality, (2) sensitivity level, and (3) view access. A scenic vista can be impacted by a development project having visual impacts by directly diminishing the scene quality of the vista or by blocking the view corridors or "vista" of the scenic resource. Important factors to determine whether a Proposed Project would have an effect on a scenic vista include the project's proposed height, mass and location relative to surrounding land uses and travel corridors.

The City is densely developed and has a relatively flat topography. Buildings and the adjacent roadways are the dominant visual elements in the City's environment due to distant views being obstructed by existing development. The Proposed Project does not contain a scenic vista nor are there any designated

publicly accessible scenic vistas in the vicinity of the Project Site where the Proposed Project would disrupt the view. Therefore, the Proposed Project would have no impact associated with scenic vistas, and no mitigation would be required.

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

No Impact. The California Scenic Highway program was created in 1963 to preserve and protect highway corridors located in areas of outstanding natural beauty from changes that would diminish the aesthetic value of adjacent lands. The California Department of Transportation (Caltrans) designated highways based on how much of the landscape can be seen by travelers, the scenic quality of landscape, and the extent to which views are compromised by development. According to Caltrans, there are no officially designated scenic highways within or adjacent to the Project Site. Additionally, there are no roadways near the Project Site currently eligible for scenic highway designation. Finally, there are no significant natural scenic resources on the site as it currently contains an ancillary building and overflow asphalt parking for the church. The existing building is not eligible as a historic resource. Therefore, no impacts associated with the damage of scenic resources, rock outcroppings, or historic buildings would occur, and no mitigation would be required.

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

Less Than Significant Impact. The Project Site is located in the Single-Family Residential Zone (R-1-6) and has a land use designation of Low Density Residential (**Figure 3 –** *Existing General Plan Designation/Zoning Map*). A tentative parcel map and tentative tract map will be executed to divide the Project Site from the larger parent parcel. The proposed parcel will require a zone range to R-3. R-3 zoning is consistent with the surrounding land use to the south of the Project Site and allows for a maximum of 32 dwelling units per acre (du/ac) (GGMC Section 9.12.040.020).

The Project Site is currently developed with an ancillary building and the church's associated asphalt pavement throughout the remainder of the site. Although the site will be significantly developed, it will not degrade the aesthetic quality of the Project Site or its surroundings. The Proposed Project would provide the addition of twenty-six two-story townhomes. The buildings will be developed with aesthetically pleasing architecture and surrounding landscaping in compliance with all applicable design regulations.

The Proposed Project will comply with several General Plan policies regarding scenic quality and aesthetics:

Table 3 – General Plan Compliance (Aesthetics)

Policy	Project Compliance
Goal LU-1: The City is Garden Grove is a well-planned community with sufficient and uses and intensities to meets the needs of anticipated growth and achieve the community's vision.	
Policy LU-1.1: Identify appropriate locations for residential and non-residential development to accommodate the growth through the year 2030 on the Land Use Diagram (Exhibit LU-3)	The project will provide a higher density residential development on a site previously developed as a surface parking lot. The Project is compatible with surrounding land uses.
Goal LU-2: Stable, well-maintained residential neighborhoods in Garden Grove.	
Policy LU-2.6: Ensure that every neighborhood has a unique community image that is incorporated and reflected in public facilities, streetscapes, signage, and entryways proposed for each neighborhood	The project will develop the buildings with specific design and landscaping, signs and facilities within interior streets and walkways in accordance with the City's Municipal Code and General Plan design standards.
Goal CD-4: Create comfortable and safe corridors that accommodate all modes of transportation.	
Policy CD-IMP-4A: Require walls and fences that act as attractive elements of the streetscape, while providing privacy and views, creative design, and visual continuity.	A six-foot-high stucco over concrete masonry unit (CMU) wall with a flat stucco cap is proposed along the northern, southern and western site boundaries. To separate the Proposed Project from single-family homes to the east, an existing six-foot wall will be protected in place on the property line. Units with private patios or yards will include 3'6" high vinyl fences that bound dwelling unit patios or yards All walls and fences would be made with high-quality materials to provide attractive elevations from all directions.

Compliance with the Garden Grove General Plan Goals and Policies will ensure the project does not conflict with applicable regulations governing scenic quality. Therefore, the impact is less than significant, and no mitigation is required.

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

Less Than Significant Impact. The Project Site is located on a Single-Family Residential zoned parcel developed with an ancillary building and overflow asphalt parking for the church. The Project Site currently emits light via parking lot and building lights. The Project would remove all existing light sources and introduce new sources of nighttime light into the area by adding lighting throughout the townhomes and common areas. Light fixtures on the townhomes include shade features that direct the light downward, thus reducing glare into residents' windows. Additionally, the townhomes would be constructed with

stucco and wood materials and tile roofs. These materials are not reflective; therefore, the Project would not create new sources of glare. All lighting would be consistent with the requirements of the Garden Grove Municipal Code, Chapter 9.08.040, Single-Family Residential Development Standards. Therefore, potential impacts associated with light and glare would be less than significant.

Mitigation Measures

No mitigation measures associated with impacts to Aesthetic apply to the Proposed Project.

Conclusion

There will be no significant impacts of the Proposed Project associated with Aesthetics, and no mitigation would be required.

4.2 Agriculture and Forestry Resources

Environmental Setting

The Project Site is located on the northwest side of Santa Barbara Avenue, west of Valley View Street and south of Santa Catalina Avenue. The Proposed Project would be constructed on an asphalt paved parking lot that is utilized as overflow parking for the church and associated structures located on the Project Site parcel (APN 224-212-01). The Project Site parcel) is zoned as the Single-Family Residential (R-1-6) and has a land use designation of Low-Density Residential. A tentative parcel map to divide the Project Site from the larger parent parcel and tentative tract map is proposed to subdivide the lot into a single lot, 26-unit parcel for condominium purposes. The proposed parcel will require a zone change to R-3, as well as a general plan amendment to Low Medium Density Residential (LMR). R-3 zoning is consistent with the surrounding land uses to the south and west of the Project Site and allows for the development of up to 32 dwelling units per acre (du/ac) (City of Garden Grove Municipal Code, GGMC Section 9.12.040.020).

According to the California Department of Conservation Farmland Mapping and Monitoring Program (FMMP) California Important Farmland Finder (CIFF) map, the Project Site is identified as Urban and Built-Up Land (**Figure 9** – Project Site Agricultural Designation). FMMP describes Urban and Built Up land as "land occupied by structures with a building density of at least one unit to 1.5 acres, or approximately six structures to a 10-acre parcel. This land is used for residential, industrial, commercial, construction, institutional, public administration, railroad and other transportation yards, cemeteries, airports, golf courses, sanitary landfills, sewage treatment, water control structures, and other developed purposes." The CIFF determined that there is "Prime Farmland" located approximately one mile northwest of the Project Site.

On-site soils as identified by the U.S. Department of Agriculture Natural Resources Conservation Service (USDA-NRCS) Web Soil Survey map are identified in **Table 4 -** *On-Site Soils Classification* and are depicted on **Figure 10** – Soil Map.

Table 4 – On-Site Soils Classification

Map Unit Symbol	Map Unit Name
158	Hueneme fine sandy loam, drained

Impact Analysis

CEQA THRESHOLDS	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact or Does Not Apply
II. AGRICULTURE AND FORESTRY RESOURCES:				
In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Dept. of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board.				
Would the project:				
a) Convert Prime Farmland, Unique Farmland or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?				X
b) Conflict with existing zoning for agricultural use or a Williamson Act contract?				X
c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?				X
d) Result in the loss of forest land or conversion of forest land to non-forest use?				X

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

Discussion

a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to nonagricultural use?

No Impact. The Project Site is in an urbanized area of the City. According to the California Department of Conservation FMMP CIFF map, the Project Site is identified as Urban and Built-up Land. CIFF describes Urban and Built-Up as "land occupied by structures for residential, commercial, industrial, or other uses." Because the Project Site is not classified as Prime Farmland, Unique Farmland, or Farmland of Statewide Importance, there would be no impact from converting such lands to nonagricultural use, and no mitigation would be required. The nearest area designated as farmland (Prime Farmland) is located approximately one mile from the site, and will not be impacted by the Proposed Project.

b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?

No Impact. The Project Site is developed with urban uses and there are no current agricultural operations existing on or in the vicinity of the Project Site. The Project Site parcel is located in the Single-Family Residential Zone (R-1-6) and has a land use designation of Low-Density Residential (see **Figure 3** – Existing General Plan Designation/Zoning Map). A tentative parcel map is proposed to divide the Project Site from the larger parent parcel and tentative tract map to subdivide the lot into a single lot, 26-unit parcel for condominium purposes. The proposed parcel will require a zone change to Multiple-Family Residential (R-3) and a general plan amendment to Low Medium Density Residential (LMR). Agricultural uses are not permitted within the current or proposed zones. According to the California Department of Conservation Williamson Act Enrollment Finder map, the Project Site does not have an active Williamson Act contract in place. Therefore, no impacts associated with existing zoning for agricultural use, or a Williamson Act contract would occur, and no mitigation would be required.

c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?

No Impact. The Project Site is in an urbanized area and is not zoned for forestland, timberland, or timberland production. The Project Site is currently zoned as R-1-6 and will be rezoned to R-3. The surrounding parcels are zoned R-1, R-3, and Community Commercial (C-2). No additional changes would occur from Project implementation that would conflict with existing zoning for, or cause rezoning of, forest land, timberland, or timberland zoned Timberland Production. Therefore, no impacts associated with forest land or timberland would occur, and no mitigation would be required.

d) Result in the loss of forest land or conversion of forest land to non-forest use?

No Impact. The Project would not result in the loss of forest land or conversion of forest land to non-forest use. The Project Site and surrounding land uses are not designated as forest land or timberland. The Project Site is currently developed with one ancillary building, a portion of a grass area, and an overflow asphalt parking lot for the adjacent church. The Project Site is surrounded by the church buildings and their associated parking lot to the north, an alleyway to the west, single-family residences to the east, and Santa Barbara Avenue to the south. There are single-family residences beyond the alleyway to the west and multi-family and commercial uses beyond Bailey Street/Santa Barbara Avenue to the south. Therefore, no impacts would occur, and no mitigation measures are required in relation to the loss of forest land or conservation of forest land to non-forest use.

e) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to nonagricultural use or the conversion of forest land to non-forest use?

No Impact. The Project Site is in an urbanized area, is identified as Urban and Built-Up land, and does not support agricultural resources. The Project will not involve other changes in the existing environment, which, due to their location or nature, could result in conversion of Farmland to a non-agricultural use because there are no parcels within the vicinity of the Project Site that are designated as Farmland of any kind or used for agricultural purposes. The closest farmland to the Project Site is located approximately one mile northwest and is designated as "Prime Farmland" according to CIFF. The Project Site will not impact the Prime Farmland site. Therefore, no impacts would occur, and no mitigation measures are required.

Mitigation Measures

No mitigation measures associated with impacts to Agriculture and Forestry Services apply to the Proposed Project.

Conclusion

There will be no impacts of the Proposed Project associated with Agriculture and Forestry Services, and no mitigation would be required.

Figure 9: Project Site Agricultural Designation

Source: *Department of Conservation – California Important Farmland Finder Map*

Orange County and Part of Riverside County, California

158—Hueneme fine sandy loam, drained

Map Unit Setting

National map unit symbol: hcn3
Elevation: 0 to 430 feet
Mean annual precipitation: 15 inches
Mean annual air temperature: 64 degrees F
Frost-free period: 300 to 350 days
Farmland classification: Prime farmland if irrigated

Map Unit Composition

Hueneme and similar soils: 85 percent
Minor components: 15 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Hueneme

Setting

Landform: Alluvial fans
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Rise
Down-slope shape: Linear
Across-slope shape: Convex
Parent material: Stratified alluvium derived from sedimentary rock

Typical profile

H1 - 0 to 27 inches: fine sandy loam
H2 - 27 to 60 inches: stratified sand to silt loam

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Poorly drained
Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 5.95 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 1 percent
Maximum salinity: Very slightly saline to slightly saline (2.0 to 4.0 mmhos/cm)
Available water supply, 0 to 60 inches: Moderate (about 9.0 inches)

Interpretive groups

Land capability classification (irrigated): 1
Land capability classification (nonirrigated): 3c
Hydrologic Soil Group: A
Ecological site: R019XG911CA - Loamy Fan
Hydric soil rating: Yes

Minor Components

San emigdio, fine sandy loam

Percent of map unit: 5 percent
Hydric soil rating: No

Hueneme, fine sandy loam

Percent of map unit: 5 percent
Hydric soil rating: No

Bolsa, silt loam, drained

Percent of map unit: 5 percent
Hydric soil rating: No

Figure 10: Soil Map

Source: *U.S. Department of Agriculture Natural Resources Conservation Service Web Soil Survey Map*

4.3 Air Quality

RK Engineering Group, Inc. performed an Air Quality Assessment for the Proposed Project to assess potential impacts to air quality (**Appendix A** – *Santa Catalina Townhomes Air Quality, Greenhouse Gas, and Energy Impact Study, City of Garden Grove, California*, RK Engineering Group, June 17, 2024, revised August 30, 2024).

Regulatory Setting

Air pollutants are regulated at the national, state, and regional level. The United States Environmental Protection Agency (EPA) regulates at the national level under the Clean Air Act of 1970. It is responsible for setting and enforcing the National Ambient Air Quality Standards (NAAQS) for atmospheric pollutants. The California Air Resources Board (CARB), which is a part of the California Environmental Protection Agency, is responsible for the coordination and administration of both federal and state air pollution control programs within California. In this capacity, the CARB conducts research, sets the California Ambient Air Quality Standards (CAAQS), compiles emission inventories, establishes emission standards, develops suggested control measures, provides oversight of local programs, and prepares the State Implementation Plan. The South Coast Air Quality Management District (SCAQMD) is responsible for comprehensive air pollution control in the South Coast Air Basin (SCAB). The SCAQMD develops rules and regulations, establishes permitting requirements for stationary sources, inspects emission sources, and enforces such measures through educational programs or fines, when necessary. The SCAQMD is directly responsible for reducing emissions from stationary, mobile, and indirect sources.

There are six common air pollutants, called criteria pollutants, which were identified in the Clean Air Act of 1970.

- Ozone (O_3)
- Nitrogen Dioxide (NO_2)
- Carbon Monoxide (CO)
- Sulfur Dioxide (SO_2)
- Lead (Pb)
- Particulate Matter (PM10 and PM2.5)

The EPA and CARB designate air basins where ambient air quality standards are exceeded as "nonattainment" areas. If standards are met, the area is designated as an "attainment" area. If there is inadequate or inconclusive data to make a definitive attainment designation, they are considered "unclassified." National

nonattainment areas are further designated as marginal, moderate, serious, severe, or extreme as a function of deviation from standards.

The Project Site is in the City of Garden Grove, which is part of the SCAB region that includes the non-desert portions of Los Angeles, Riverside, and San Bernardino Counties, and all of Orange County. The SCAQMD's 2022 Air Quality Management Plan (AQMP) assesses the attainment status of the SCAB. The 2022 AQMP builds upon measures already in place from previous AQMPs. It also includes a variety of additional strategies such as regulation, accelerated deployment of available cleaner technologies (e.g., zero emission technologies, when cost-effective and feasible, and low NOx technologies in other applications), best management practices, co-benefits from existing programs (e.g., climate and energy efficiency), incentives, and other Clean Air Act measures to achieve the 2015 8-hour ozone standard. The 2022 AQMP was approved and adopted by CARB on January 26, 2023.

Environmental Setting

The South Coast Air Basin is a 6,600-square-mile coastal plain bounded by the Pacific Ocean to the southwest and the San Gabriel, San Bernardino, and San Jacinto Mountains to the north and east. The ambient concentrations of air pollutants are determined by the amount of emissions released by sources and the atmosphere's ability to transport and dilute such emissions. Natural factors that affect transport and dilution include terrain, wind, atmospheric stability, and sunlight. Therefore, existing air quality conditions in the area are determined by such natural factors as topography, meteorology, and climate, in addition to the amount of emissions released by existing air pollutant sources.

Atmospheric conditions such as wind speed, wind direction, and air temperature gradients interact with the physical features of the landscape to determine the movement and dispersal of air pollutants. The topography and climate of southern California combine to make the Basin an area of high air pollution potential. The Basin is a coastal plain connecting broad valleys and low hills, bounded by the Pacific Ocean to the west and high mountains around the rest of the perimeter. The general region lies in the semi-permanent high-pressure zone of the eastern Pacific, resulting in a mild climate tempered by cool sea breezes with light average wind speeds.

The usually mild climatological pattern is disrupted occasionally by periods of extremely hot weather, winter storms, or Santa Ana winds. During the summer months, a warm air mass frequently descends over the cool, moist marine layer produced by the interaction between the ocean's surface and the lowest layer of the atmosphere. The warm upper layer forms a cap over the cool marine layer and inhibits the pollutants in the marine layer from dispersing upward. In addition, light winds during the summer further limit ventilation. Furthermore, sunlight triggers

the photochemical reactions that produce ozone. The region experiences more days of sunlight than any other major urban area in the nation except Phoenix[1].

Local Air Quality

The air quality at any site is dependent on the regional air quality and local pollutant sources. Regional air quality is determined by the release of pollutants throughout the air basin. Area sources, including architectural coatings and consumer products subcategories, are the major contributor to VOC emissions. Mobile sources, stationary point source, and stationary area source categories are the top contributors to NOx, SOx, and PM2.5 emissions, respectively[2].

Estimates of the existing emissions in the Basin provided in the 2022 AQMP indicate that collectively, mobile sources account for 46 percent of the VOC, 85 percent of the NOx emissions, 89 percent of the CO emissions and 29 percent of directly emitted PM2.5, with another 18 percent of PM2.5 from road dust. Stationary sources are responsible for most of the SOx emissions in the Basin, with the point source category (larger facilities subject to AER requirements) contributing 49 percent of total SOx emissions. Non-vehicle related area sources, such as commercial cooking are the predominant source of directly emitted PM2.5 emissions, contributing 41 percent of total emissions.

The SCAQMD has divided the South Coast Air Basin into fourteen general forecasting areas and 38 Source Receptor Areas (SRA) for monitoring and reporting local air quality. The SCAQMD provides daily reports of the current air quality conditions in each general forecast area and SRA. The monitoring areas provide a general representation of the local meteorological, terrain, and air quality conditions within the SCAB.

The Project Site is located in the SCAQMD Inland Orange County general forecasting area and the Central Orange County Source Receptor Area (SRA-17). The nearest air monitoring stations to the Project Site are Anaheim – Near Road (ARB #30031) and Anaheim-Loara School (ARB #30178).

Project Design Features

The following design features (DF) include several standard rules and requirements, best practices and building code requirements for reducing air quality and GHG emissions. Design features are assumed to be integrated into

[1] 2022 Air Quality Management Plan, South Coast Air Quality Management District (2022). Accessed on August 3, 2024. https://www.aqmd.gov/docs/default-source/clean-air-plans/air-quality-management-plans/2022-air-quality-management-plan/final-2022-aqmp/final-2022-aqmp.pdf?sfvrsn=16

[2] *Ibid.*

the project design and required as part of the conditions of approval of the project. Design features are not considered to be mitigation under CEQA.

Construction Design Features:

DF-1 The project will follow the SCAQMD rules and requirements for fugitive dust control, which includes, but are not limited to the following:

1. All active construction areas shall be watered two (2) times daily.
2. Any visible dirt deposition on any public roadway shall be swept or washed at the site access points within 30 minutes.
3. Any on-site stockpiles of debris, dirt or other dusty material shall be covered or watered twice daily.
4. All operations on any unpaved surface shall be suspended if winds exceed 15 mph.
5. Access points shall be washed or swept daily.
6. Construction sites shall be sandbagged for erosion control.
7. Cover all trucks hauling dirt, sand, soil, or other loose materials, and maintain at least 2 feet of freeboard space in accordance with the requirements of California Vehicle Code (CVC) section 23114.
8. Replace the ground cover of disturbed areas as quickly possible.

DF-2 All diesel construction equipment should have Tier 4 low emission "clean diesel" engines (OEM or retrofit) that include diesel oxidation catalysts and diesel particulate filters that meet the latest CARB best available control technology.

DF-3 Construction equipment shall be maintained in proper tune.

DF-4 All construction vehicles shall be prohibited from excessive idling. Excessive idling is defined as five (5) minutes or longer.

DF-5 Minimize the simultaneous operation of multiple construction equipment units, to the maximum extent feasible.

DF-6 The use of heavy construction equipment and earthmoving activity shall be suspended during Air Alerts when the Air Quality Index reaches the "Unhealthy" level.

DF-7 Establish an electricity supply to the construction site and use electric-powered equipment instead of diesel-powered equipment or generators, where feasible.

DF-8 Establish staging areas for the construction equipment that are as distant as possible from adjacent residential homes.

DF-9 Utilize zero VOC and low VOC paints and solvents, where feasible.

Operation Design Features:

DF-10 The project will comply with the mandatory requirements of the California Building Standards Code, Title 24, Part 6 (Energy Code) and Part 11 (CALGreen), including, but not limited to:

1. Install low-flow fixtures and toilets, water-efficient irrigation systems, drought tolerant/native landscaping, and reduce the amount of turf.
2. Provide the necessary infrastructure to support electric vehicle charging.
3. Provide solar installations (or other sources of on-site renewable energy) per the prescribed Energy Design Ratings.

DF-11 Participate in the local waste management recycling and composting programs.

Impact Analysis

CEQA THRESHOLDS	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact or Does Not Apply
III. AIR QUALITY:				
Where available, the significance criteria established by the applicable air quality management or air pollution control district may be relied upon to make the following determinations.				
Would the project:				
a) Conflict with or obstruct implementation of the applicable air quality plan?			X	
b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?			X	
c) Expose sensitive receptors to substantial pollutant concentrations?			X	
d) Result in other emissions (such as those leading to odors adversely affecting a substantial number of people?			X	

Discussion

a) Conflict with or obstruct implementation of the applicable air quality plan?

Less Than Significant Impact. The Proposed Project would not conflict with or obstruct implementation of the SCAQMD Air Quality Management Plan (AQMP). The AQMP establishes thresholds for criteria pollutants. Projects that exceed any of the indicated daily thresholds should be considered as having an individually and cumulatively significant air quality impact and are not in compliance with the AQMP. The primary purpose of the air quality plan is to bring an area that does not attain federal and state air quality standards into compliance with those standards pursuant to the requirements of the Clean Air Act and California Clean Air Act. A Proposed Project should be considered to be consistent with the AQMP if it furthers one or more policies and does not obstruct other policies. The SCAQMD CEQA Handbook identifies two key indicators of consistency:

> Criterion 1: Whether the project will result in an increase in the frequency or severity of existing air quality violations or cause or contribute to new

violations or delay timely attainment of air quality standards or the interim emission reductions specified in the AQMP.

Criterion 2: Whether the project will exceed the assumptions in the AQMP, or increments based on the years of project buildout and phase.

Based on the air quality modeling analysis contained in **Appendix A** and included in **Tables 5** through **9** below, neither short-term construction impacts, nor long-term operations would result in significant impacts based on the SCAQMD regional and local thresholds of significance. Therefore, the Proposed Project is not projected to contribute to the exceedance of any air pollutant concentration standards and is found to be consistent with the AQMP for Criterion 1.

Regarding Criterion 2, the AQMP incorporates land use assumptions from local general plans and regional growth projections developed by SCAG to estimate stationary and mobile air emissions associated with projected population and planned land uses, namely SCAG's 2020 Regional Transportation Plan/Sustainable Communities Strategy (RTP). If the proposed land use is consistent with the local general plan, then the impact of the project is presumed to have been accounted for in the AQMP. This is because the land use and transportation control sections of the AQMP are based on the SCAG regional growth forecasts, which incorporates projections from local general plans.

The Project Site is located in the Single-Family Residential Zone (R-1-6), with a land use designation of Low Density Residential. A tentative parcel map and tentative tract map are proposed to divide the Project Site from the larger parent parcel. The proposed parcel will require a general plan amendment to Low Medium Density Residential (LMR) and a zone change to R-3, which is consistent with the surrounding land uses and allows for the development of up to 32 dwelling units per acre (City of Garden Grove Municipal Code, GGMC Section 9.12.040.020).

Although the residential development will lead to population growth as the current site is paved with asphalt, the population growth associated with Project implementation would be approximately 92 persons[3]. The SCAQMD AQMP forecasts that the SCAB region will experience a population growth of 12 percent between 2018 and 2037. The AQMP does not specify population growth by individual cities. Therefore, the City-specific population growth analysis relies on data from the California Department of Finance. According to the California Department of Finance[4], the City had a total population of 171,024 persons in 2024. Construction and operation of the Project could increase the City's population by approximately 0.05 percent (92 new residents). Therefore, the

[3] Assumes 3.51 persons per household, as per United States Census QuickFacts, U.S. Census Bureau QuickFacts: Garden Grove city, California . Accessed June 26, 2024.

[4] E-5 City/County Population and Housing Estimates, California Department of Finance (CDF), January 2021-2024, with 2020 Benchmark, June 2024, https://dof.ca.gov/forecasting/demographics/estimates/e-5-population-and-housing-estimates-for-cities-counties-and-the-state-2020-2024/. Accessed June 26, 2024.

Project would not cause exceedances in the population growth projection (12 percent) assumed by the SCAQMD to develop the AQMP. Thus, the Proposed Project is not anticipated to exceed the AQMP assumptions for the Project Site and is found to be consistent with the AQMP for Criterion 2.

Based on the above, the Proposed Project will not result in an inconsistency with the SCAQMD AQMP. A less than significant impact will occur, and no mitigation will be required.

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

Less Than Significant Impact. Air pollution is largely a cumulative impact resulting from emissions generated over a large geographic region. The nonattainment status of regional pollutants is a result of past and present development, and the SCAQMD develops and implements plans for future attainment of ambient air quality standards. Based on these considerations, project-level thresholds of significance for criteria pollutants are used to determine whether a project's individual emissions would have a cumulatively considerable contribution to air quality. If a project's emissions exceeded the SCAQMD's significance thresholds, it would be considered to have a cumulatively considerable contribution. Conversely, projects that do not exceed the project-specific thresholds are generally not considered to be cumulatively significant. Regional screening thresholds for construction and daily operations are shown in **Table 5.**

Table 5 – SCAQMD Regional Air Quality Significance Thresholds

Mass Daily Thresholds (Pounds per Day)		
Pollutant	**Construction**	**Operation**
Nitrogen Oxide (NOx)	100	55
Volatile Organic Compounds (VOCs)	75	55
Respirable Particulate Matter (PM10)	150	150
Respirable Particulate Matter (PM2.5)	55	55
Sulfur Oxide (SOx)	150	150
Carbon Monoxide (CO)	550	550

The Project Site is in the SCAB, which the California Ambient Air Quality Standards (CAAQS) designates as a nonattainment area for O3, PM10, and PM2.5 while the National Ambient Air Quality Standards (NAAQS) designates the area as nonattainment for O3 and PM2.5.

CalEEMod, Version 2022.1.1, was used to estimate emissions from construction and operation of the project. The following discussion summarizes the quantitative project-generated construction and operational emissions and impacts that would result from implementation of the Project. Detailed assumptions and results of this analysis are provided in **Appendix A**. Based on the analysis provided in **Appendix A**, the Proposed Project would result in short-term emissions from construction associated with demolition, site preparation, grading, building construction, paving, and architectural coating. The Proposed Project would also generate operational emissions associated with new vehicle traffic and energy use.

Construction Impacts

Regional air quality emissions include both on-site and off-site emissions associated with construction of the Proposed Project. Construction activities would result in emissions of volatile organic compounds (VOC), nitrogen oxides (NOx), carbon (CO), sulfur dioxide (SO_2), PM10, and PM2.5, however, none are above the SCAQMD thresholds, as shown in **Table 6** – *Daily Construction Emissions.* Daily emissions of criteria pollutants are expected to be below the applicable thresholds. Therefore, potential impacts associated with construction emissions would be less than significant, and no mitigation would be required.

Table 6 – Daily Construction Emissions

Maximum Daily Emissions (lbs/day)						
Activity	**VOC**	**NOx**	**CO**	**SO2**	**PM_{10}**	**$PM_{2.5}$**
Demolition	1.75	21.76	19.28	0.06	5.75	1.61
Site Preparation	1.46	13.72	13.32	0.02	3.19	1.79
Grading	1.61	18.28	16.79	0.04	4.44	2.24
Building Construction	1.14	9.11	11.13	0.02	0.60	0.37
Paving	0.66	4.68	7.10	0.01	0.37	0.22
Architectural Coating	31.55	0.90	1.32	0.00	0.08	0.04
Maximum[1]	**31.55**	**18.28**	**16.79**	**0.04**	**4.44**	**2.24**
SCAQMD Threshold	75	100	550	150	150	55
Exceeds Threshold?	**No**	**No**	**No**	**No**	**No**	**No**

[1] Maximum daily emission during summer or winter; includes on-site project emissions only.

Operational Impacts

Operational activities associated with the Proposed Project would result in emissions of VOC, NOx, CO, SO_2, PM10, and PM2.5, however, none are above the SCAQMD thresholds as shown in **Table 7** – *Regional Operational Emissions*.

Table 7 – Regional Operational Emissions

Activity	Air Pollutant Daily Emissions (lbs/day)[1]					
	VOC	NOx	CO	SO2	PM10	PM2.5
Mobile Sources	0.72	0.52	6.07	0.01	1.40	0.36
Area Sources	1.61	0.50	5.31	0.01	0.42	0.40
Energy Sources	0.01	0.16	0.07	0.00	0.01	0.01
Total	**2.34**	**1.18**	**11.45**	**0.02**	**1.83**	**0.77**
SCAQMD Threshold	55	55	550	150	150	55
Exceeds Threshold?	**No**	**No**	**No**	**No**	**No**	**No**

[1] Air pollutant emissions include both on-site and off-site activities and represent the worst-case daily emissions during either summer or winter.

Table 8 – Localized Operational Emissions

Activity	Air Pollutant Emissions (lbs/day)			
	NOx	CO	PM10	PM2.5
On-site Emissions[1]	1.66	5.69	0.50	0.43
SCAQMD Threshold[2]	115.0	715.0	2.0	1.0
Exceeds Threshold?	**No**	**No**	**No**	**No**

[1] Localized emissions include the maximum daily on-site emissions during summer or winter. It is estimated that 5% of mobile emissions will occur on-site.
[2] Source: SCAQMD Mass Rate Localized Significance Thresholds for a 2-acre site in SRA-17 at 25 meters.

Table 8 – *Localized Operational Emissions* shows the Project's operational emissions at the local level compared with SCAQMD thresholds of significance. Localized emissions include on-site emissions only and represent the worst-case daily emissions levels during summer or winter. As shown in Tables 7 and 8, the Project's operational emissions will be below the applicable SCAQMD air quality thresholds of significance. Furthermore, the Project will comply with SCAQMD regional and localized standards. Therefore, the Project would not contribute to a cumulatively considerably net increase of any criteria pollutant for which the project region is in non-attainment under any applicable Federal or State ambient air quality standards, not would the Project expose sensitive receptors to substantial pollutant concentrations. Therefore, the Project's long-term impact from construction-related air quality emissions would be less than significant.

c) Expose sensitive receptors to substantial pollutant concentrations?

Less Than Significant Impact. Those who are sensitive to air pollution include children, the elderly, and persons with preexisting respiratory or cardiovascular illnesses. For purposes of CEQA, the SCAQMD considers a sensitive receptor to be

a location where a sensitive individual could remain for 24 hours, such as residences, hospitals, or convalescent facilities (South Coast Air Quality Management District 2008). Commercial and industrial facilities are not included in the definition because employees do not typically remain on-site for 24 hours.

Project-related construction and operational air emissions may have the potential to exceed the State and Federal air quality standards in the vicinity of the Project Site, even though these pollutant emissions would not be significant enough to create a regional impact to the SCAB. In order to assess local air quality impacts the SCAQMD has developed Localized Significant Thresholds (LSTs) to assess the Proposed Project-related air emissions. LSTs represent the maximum emissions from a project that are not expected to cause or contribute to an exceedance of the most stringent applicable federal or state ambient air quality standard. LSTs are developed based on the ambient concentrations of four applicable air pollutants for source receptor area (SRA-17) – Central Orange County.

There are several sensitive land uses adjacent to the Project Site, including the following:

Northern Receptors: Existing residential land uses located north of the Project Site's northern boundary, approximately 30 feet north of the centerline of Santa Catalina Ave. The nearest residential receptors to the north of the site are located approximately 205 feet away.

Eastern Receptors: Existing residential land uses located east of the Project Site's eastern boundary. The nearest residential receptors to the east of the site are located approximately 0 feet away.

Southern Receptors: Existing residential land uses located south of the Project Site's southern and southeastern boundaries, along either side of Bailey St / Santa Barbara Ave. The nearest residential receptors to the south of the site are located approximately 0 feet away.

Western Receptors: Existing residential land uses located west of the Project Site's western boundary. The nearest residential receptors to the west of the site are located approximately 20 feet away.

The nearest existing sensitive receptors are located along the eastern and southern boundaries of the Project Site, adjacent to the site near potential areas of on-site construction and operational activity. Although receptors are located closer than 25 meters to the site, SCAQMD LST methodology states that projects with boundaries located closer than 25 meters to the nearest receptor should use the LSTs for receptors located at 25 meters.

<u>Construction</u>

The data provided in **Table 9** – *Localized Construction Emissions* shows that none of the analyzed criteria pollutants would exceed the local emissions thresholds

during construction at the nearest sensitive receptors. The project must follow all standard SCAQMD rules and requirements with regards to fugitive dust control. Compliance with the dust control is considered a standard requirement and included as part of the project's design features.

Table 9 – Localized Construction Emissions

Maximum Daily Emissions (lbs/day)[1]				
Activity	**NOx**	**CO**	**PM_{10}**	**$PM_{2.5}$**
On-site Emissions	15.58	16.03	4.31	1.93
SCAQMD Construction Threshold[2]	115.0	715.0	6.0	4.0
Exceeds Threshold?	**No**	**No**	**No**	**No**

[1] Maximum daily emission during summer or winter; includes on-site project emissions only.
[2] Source: SCAQMD Mass Rate Localized Significance Thresholds for a 2-acre site in SRA-17 at 25 meters.

Operations

Operational emissions are calculated using CalEEMod. The program is largely based on default settings which are automatically populated throughout the model based on the applicable land use. Southern California Edison averages for utility emissions were utilized for the calculations throughout the model. CalEEMod utilized the proposed land use and then estimates worst-case air quality emissions from trip generations built into the model and includes vehicle emission rates from Emission Factors 2021. The data provided in **Table 10** – *Localized Operational Emissions* shows that the on-going operations of the Proposed Project would not exceed SCAQMD local operational thresholds of significance.

Table 10 – Localized Operational Emissions

Activity	**Air Pollutant Emissions (lbs/day)**			
	NOx	**CO**	**PM_{10}**	**$PM_{2.5}$**
On-site Emissions[1]	1.66	5.69	0.50	0.43
SCAQMD Construction Threshold[2]	115.0	715.0	2.0	1.0
Exceeds Threshold?	**No**	**No**	**No**	**No**

[1] Localized emissions include the maximum daily on-site emissions during summer or winter. It is estimated that 5% of mobile emissions will occur on site.
[2] Source: SCAQMD Mass Rate Localized Significance Thresholds for a 2-acre site in SRA-17 at 25 meters.

Potential impacts associated with exposing sensitive receptors to substantial pollutant concentrations during construction or from operation of the Proposed Project would be less than significant, and no mitigation would be required. Therefore, the on-going operations of the Proposed Project would create a less

than significant operations-related impact to local air quality due to on-site emissions and no mitigation would be required.

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

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

Potential sources that may emit odors during construction activities include the application of materials such as asphalt pavement. The objectionable odors that may be produced during the construction process are short-term in nature and the odor emissions are expected to cease upon the drying or hardening of the odor producing materials. Due to the short-term nature and limited amounts of odor producing materials being utilized, no significant impact related to odors would occur during construction of the Proposed Project. Diesel exhaust and VOCs would be emitted during construction of the project, which are objectionable to some; however, emissions would disperse rapidly from the Project Site and therefore should not reach an objectionable level at the nearest sensitive receptors.

Established requirements addressing construction equipment operations, and construction material use, storage, and disposal requirements act to minimize odor impacts that may result from construction activities. Moreover, construction-source odor emissions would be temporary, short-term, and intermittent in nature and would not result in persistent impacts that would affect substantial numbers of people. Potential construction-source odor impacts are therefore considered less than significant.

Additionally, SCAQMD does not consider residential land uses to be a major source of toxic air contaminants (TAC) that may result in the exposure of sensitive receptors to significant pollutant concentrations. The Project will generate diesel particulate matter (DPM), a known source of TACs, during construction from off-road diesel equipment and trucks. However, the Project's construction activity is not expected to be long-term (i.e., 30 years) source of toxic air contaminant missions. Due to the significantly reduced risk from short-term exposure, SCAQMD does not typically require the evaluation of long-term cancer risk or chronic health impacts for construction operations for a project this size.

Given the minimal amount of earthwork and heavy construction equipment expected to be needed for this Project, the potential DPM exposure to adjacent sensitive receptors is considered less than significant. To help ensure

DPM exposure is further reduced to the extent feasible, the Project includes a design feature that requires all diesel construction equipment to have Tier 4 low emission "clean diesel" engines (OEM or retrofit) that include diesel oxidation catalysts and diesel particulate filters that meet the latest CARB best available control technology.

The Project includes demolition of existing structures which may contain asbestos and will be required to comply with the requirements established in SCAQMD Rule 1403. SCAQMD Rule 1403 establishes the survey requirements, notification, and work practices to prevent asbestos emissions from emanating during building renovation and demolition activities. Compliance with Rule 1403 will ensure the project impact will be less than significant.

Mitigation Measures

No mitigation measures associated with impacts to Air Quality apply to the Proposed Project.

Conclusion

The air quality impacts of the Proposed Project would be less than significant, and no Project-specific mitigation is required.

4.4 Biological Resources

Environmental Setting

The Project Site consists of approximately 1.73 gross acres developed with an ancillary building and overflow asphalt parking for the church. The surrounding area is developed with urban land uses including a church, and single-family- and multi-family residential.

Regulatory Setting

Given the urban environment, regulations governing biological resources for this Project include the following:

Migratory Bird Treaty Act

The federal Migratory Bird Treaty Act (MBTA) of 1918 (16 U.S.C 703-711) provides protection for nesting birds that are both residents and migrants whether they are considered sensitive by resource agencies. The MBTA makes it unlawful to take, possess, buy, sell, purchase, or barter any migratory bird listed under 50 CFR 10, including feathers or other parts, nests, eggs, or products, except as allowed by implementing regulations (50 CFR 21). The direct injury or death of a migratory bird, due to construction activities or other construction-related disturbance that causes nest abandonment, nestling abandonment, or forced fledging would be considered a take under federal law. The USFWS, in coordination with the California Department of Fish and Wildlife (CDFW) administers the MBTA. CDFW's authoritative nexus to MBTA is provided in California Fish and Game Code (FGC) Sections 3503.5 which protects all birds of prey and their nests and FGC Section 3800 which protects all non-game birds that occur naturally in the State.

City of Garden Grove Tree Ordinance (Chapter 11.32)

The GGMC Chapter 11.32 – Trees (Tree Ordinance) provides regulation of trees located on thoroughfares, parks, and public areas owned or controlled by the City. The Tree Ordinance applies to new developments and alterations to previous developments on private property. The ordinance includes guidelines, "Tree Ordinance Guidelines", that regulate tree planting, tree species selection, care, maintenance, removal, and landscape design. According to the ordinance, the City Manager shall review all applications for permits for any planting, removal, and/or trimming or cutting of trees subject to the Tree Ordinance and shall have the authority to grant or deny permits and to attach reasonable conditions to the granting of a permit.

Impact Analysis

CEQA THRESHOLDS	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact or Does Not Apply
IV. BIOLOGICAL RESOURCES: Would the project:				
a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?				X
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?				X
c) Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means				X
d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?		X		

e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?				X
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?				X

Discussion

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

No Impact. Implementation of the Proposed Project will have no significant impacts on Federal or State species known to occur in the general vicinity of the Project Site. No native undisturbed suitable habitat, soils or sensitive plant/wildlife species exist on or in the vicinity of the Project Site. As shown in **Figure 2** – Site Location Aerial Photograph, the Project Site is in a highly urbanized area of the City and is fully developed. The Project Site is surrounded by a church and a mix of residential uses. According to the City's General Plan, biological resources in Garden Grove are almost non-existent due to the urban nature of the City and surrounding area. Therefore, no impact would occur, and no mitigation measures are necessary.

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

No Impact. The Project Site is entirely developed and surrounded by extensive urban development. The Project area does not contain, nor is it adjacent to, any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service. No other local or regional plans, policies or regulations would be affected by the Proposed Project. Therefore, the project will have no impact on sensitive biological communities and no further environmental analysis is required.

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

No Impact. The Project Site does not contain any drainages or state or federally protected wetlands. Therefore, no impacts associated with wetlands would occur, and no mitigation would be required.

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

Less Than Significant Impact with Mitigation Incorporated. A wildlife corridor is defined as a linear landscape element which serves as a linkage between historically connected habitats/natural areas and is meant to facilitate movement between these natural areas. The Proposed Project will not interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites, because there are no such corridors or nursery sites within or near the Project Site. The site has sparse existing ornamental vegetation that does not provide substantive vegetation for wildlife nesting or other activities.

Nevertheless, construction of the Proposed Project is required to comply with the Migratory Bird Treaty Act (MBTA) and California Fish and Game Codes 3503 and 3513. In order to comply with the Migratory Bird Treaty Act, the Applicant/Developer shall perform a general pre-construction nesting bird survey in compliance CDFW protocols, as outlined in mitigation measure **MM BIO-1**. Compliance with the MBTA and CDFW protocols and regulations prohibit taking, killing, possessing, transporting, and importing of migratory birds, parts of migratory birds, and their eggs and nests, except when specifically authorized by the Department of the Interior. MM BIO-1 would determine if active nests of species protected by the MBTA or the California Fish and Game Code are present in the construction zone. If active nests of the species are located during the pre-activity survey, MM BIO-1 would minimize the impacts to the species by establishing a conservative avoidance buffer. Additionally, if the Biologist determines that project activities may be causing an adverse reaction, the Biologist will adjust the buffer accordingly or implement alternative avoidance and minimization measures, such as redirecting or rescheduling construction or erecting sound barriers. All work within these buffers will be halted until the nesting effort is finished. Therefore, implementation of MM BIO-1 would further avoid or minimize impacts to biological resources. Potential impacts associated with movement of native wildlife would be less than significant with mitigation incorporated.

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

No Impact. Garden Grove does not require a tree removal permit or any other type of permit to remove trees within the private property. The City does not have any policies or ordinances that would conflict with the development of Proposed

Project. Therefore, no conflicts with local policies or ordinances protecting biological resources would occur, and no mitigation would be required.

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

No Impact. The Project Site and its surroundings are built out. The Project Site is not located in a Habitat Conservation Plan (HCP), Natural Communities Conservation Plan (NCCP), or other approved HCP area. Therefore, no impact would occur, and no mitigation measures are necessary.

Mitigation Measures:

MM BIO-1:

In the event that vegetation and tree removal activities should occur during site-preparation activities (ground disturbance, construction activities, staging equipment) within the active breeding season for birds (February 1 and August 31), the Project/Applicant (or their Construction Contractor) shall retain a qualified biologist (meaning a professional biologist that is familiar with local birds and their nesting behaviors) to conduct a nesting bird survey no more than 3 days prior to commencement of construction activities to determine if active nests of species protected by the MBTA or the California Fish and Game Code are present in the construction zone. The nesting survey shall include the project site and areas immediately adjacent to the site that could potentially be affected by project-related construction activities, such as noise, human activity, and dust, etc. If active nesting of birds is observed within 100 feet of the designated construction area prior to construction, the qualified biologist shall establish an appropriate buffer around the active nests (e.g., as much as 500 feet for raptors and 300 feet for nonraptors [subject to the recommendations of the qualified biologist]), and the buffer areas shall be avoided until the nests are no longer occupied and the juvenile birds can survive independently from the nests. Prior to commencement of grading activities, the City of Garden Grove (City) Community Development Director, or designee, shall verify that all project grading and construction plans are consistent with the requirements stated above, that preconstruction surveys have been completed and that results reviewed by staff, and that the appropriate buffers (if needed) are noted on the plans and established in the field with orange snow fencing.

If active nests are located during the pre-activity field survey, the Biologist shall immediately establish a conservative avoidance buffer surrounding the nest based on their best professional judgement and experience. The Biologist shall monitor the nest at the onset of project activities, and at the

onset of any changes in such project activities (e.g., increase in number or type of equipment, change in equipment usage, etc.) to determine the efficacy of the buffer. If the Biologist determines that such project activities may be causing an adverse reaction, the Biologist shall adjust the buffer accordingly or implement alternative avoidance and minimization measures, such as redirecting or rescheduling construction or erecting sound barriers. All work within these buffers will be halted until the nesting effort is finished (i.e., the juveniles are surviving independent from the nest). The on-site qualified biologist will review and verify compliance with these nesting avoidance buffers and will verify the nesting effort has finished. Work can resume within these avoidance areas when no other active nests are found. Upon completion of the survey and nesting bird monitoring, a report shall be prepared and submitted to the City of Garden Grove for mitigation monitoring compliance record keeping.

Conclusion

The Proposed Project is required to comply with mitigation measure **MM BIO-1** to ensure that Project-specific impacts to nesting birds would be less than significant. No other biological issues were identified with construction or operation of the Proposed Project.

4.5 Cultural Resources

A Cultural and Paleontological Resources Assessment for the Proposed Project was performed for the Project in May 2024 (**Appendix B -** *Cultural and Paleontological Resources Assessment Report for* The Brandywine Garden Grove Project, City of Garden Grove, Orange County, California, Cogstone, July 2024).

Cultural resources include archaeological sites, buildings and other kinds of structures, historic districts, cultural landscapes, and resources important to specific ethnic groups.

Archaeological sites represent the material remains of human occupation and activity either prior to European settlement (prehistoric sites) or after the arrival of Europeans (historical sites).

The historic "built environment" includes structures used for work, recreation, education and religious worship, and may be represented by houses, factories, office buildings, schools, churches, museums, hospitals, bridges and other kinds of structures.

An historic district is any "geographically definable area, urban or rural, possessing a significant concentration, linkage, or continuity of sites, buildings, structures, or objects united by past events or aesthetically by plan or physical development. A district may also comprise individual elements separated geographically but linked by association or history" (36 CFR 60.3).

The National Park Service defines a cultural landscape as "a geographic area, including both cultural and natural resources and the wildlife or domestic animals therein, associated with a historic event, activity, or person or exhibiting other cultural or aesthetic values".

Regulatory Setting

The National Historic Preservation Act (NHPA) of 1966, as amended and the California Public Resources Code (PRC), Section 5024.1, are the primary federal and state laws and regulations governing the evaluation and significance of historical resources of national, state, regional, and local importance.

National Historic Preservation Act

Section 106 (Protection of Historic Properties) of the National Historic Preservation Act of 1966 (NHPA) requires federal agencies to consider the effects of their undertakings on historic properties. The Advisory Council on Historic Preservation, an independent federal agency, administers the Section 106 review process with assistance from State Historic Preservation Offices to ensure that historic properties are considered during federal project planning and implementation. The National Register of Historic Places is the nation's official list of buildings, structures,

objects, sites, and districts worthy of preservation because of their significance in American history, architecture, archeology, engineering, and culture.

California Register of Historical Resources

The California Register program encourages public recognition and protection of resources of architectural, historical, archeological and cultural significance, identifies historical resources for state and local planning purposes, determines eligibility for state historic preservation grant funding and affords certain protections under the California Environmental Quality Act. The California Register was established to serve as an authoritative guide to the state's significant historical and archaeological resources (PRC § 5024.1). The California Office of Historic Preservation (OHP), as an office of the California Department of Parks and Recreation (DPR), implements the policies of the NHPA on a statewide level.

Environmental Setting

Site History

The Project Site is located within the Peninsular Range Geomorphic Province, which extends from Mount San Jacinto in the north to Baja, California in the south and includes the Inland Empire, Los Angeles, Orange County, and San Diego areas of California. Prior to development on the Project Site, the native vegetation on the Project area consisted of California coastal sage scrub, with a variety of native plants. Modern vegetation in this portion of Orange County includes grasslands and California coastal sage scrub with non-native species mixed in. With increased urban development, most native animals have been driven out of the area, although mule deer, bobcat, and coyotes still occur in the surrounding hills.

The Cultural and Paleontological Resources Assessment for the Project mentions the Project area is located within the traditional territory of the Gabrielino (Tongva), who were semi-sedentary hunters and gatherers. The Gabrielino speak a language that is part of the Takic language family. Their territory encompassed a vast area stretching from Topanga Canyon in the northwest, to the base of Mount Wilson in the north, to San Bernardino in the east, Aliso Creek in the southeast and the Southern Channel Islands, for an area of more than 2,500 square miles (Bean and Smith 1978; McCawley 1996). A review of the earliest known United States Geological Survey (USGS) Topographic Map (Downey 1896) shows no built environment within the Project area between 1896 and 1950. A 1952 United States Department of Agriculture (USDA) aerial topographic map depicts the Project Site and the surrounding area consisting of vast agricultural fields.

A review of historic newspaper articles announces the construction of the church in 1960 and the educational building in 1961 (The Bulletin 1960). Additionally,

according to the USDA 1963 aerial photograph, the small ancillary building to the south of the educational building appears to have been built sometime around 1961 to 1962. Between 1972 and 1988, a one-story addition was constructed at the south elevation of the church.

Impact Analysis

CEQA THRESHOLDS	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact or Does Not Apply
V. CULTURAL RESOURCES: Would the project:				
a) Cause a substantial adverse change in the significance of a historical resource as defined in 15064.5?				X
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to 15064.5?		X		
c) Disturb any human remains, including those interred outside of formal cemeteries?		X		

Discussion

a) Cause a substantial adverse change in the significance of a historical resource pursuant to §15064.5?

No Impact. The development of the Proposed Project is not expected to adversely affect the change in the significance of a historical resource. To be eligible for the National Register of Historic Places (NRHP) or the California Register of Historical Resources (CRHR), a resource must be a building, site, structure, object, or historic district that retain historical integrity and are historically significant at the local, state or national level under one or more of the following criteria:

1. be associated with events that have made a significant contribution to the broad patterns of history;
2. be associated with the lives of significant persons of the past;
3. embody distinctive characteristics of type, period, or method of construction or represent the work of a master, or possess high artistic value, or represent a significant and distinguishable entity those components may lack individual distinction; or

4. yielded or may likely yield information important in history or prehistory.

In addition to having significance using the above criteria, resources must have "integrity of location, design, setting, materials, workmanship, feeling, and association" to the period of significance (OHP 2011). The period of significance is the date or span of time within which significant events transpired, or significant individuals made their important contributions. Integrity is the authenticity of a historical resource's physical identity as evidenced by the survival of characteristics or historic fabric that existed during the resource's period of significance. Alterations to a resource or changes in its use over time may have historical, cultural, or architectural significance. Simply, resources must retain enough of their historic character or appearance to be recognizable as historical resources and to convey the reasons for their significance.

The Eastgate Baptist Church was constructed during a period of substantial residential and commercial growth within Garden Grove in the early 1960s. However, following extensive background research of historic newspapers and in-person consultation with longtime residents, the Eastgate Baptist Church is not known to be associated with events that have made a significant contribution to the broad patterns of history. Therefore, this resource is recommended not eligible for listing in the NRHP under Criterion A or the CRHR under Criterion 1. The building was not associated with the lives of people considered significant to history; therefore, the building is recommended not eligible for listing in the NRHP or CRHR under criteria 2. The Eastgate Baptist church represents a modern architectural style with some Gothic style elements. The exterior of the church and associated educational building are well maintained but are not an exemplary representation of a type, method of construction, does not possess high artistic value, and does not represent the work of a master. Therefore, the Eastgate Baptist Church is recommended not eligible for listing in the NRHP under Criterion C or the CRHR under Criterion 3. The building does not exhibit a local variation of a standard design or construction technique that can yield important information; therefore, this building is recommended not eligible for listing in the NRHP and CRHR under criteria 4.

A search for cultural records within a 0.5-mile radius of the Project area was requested from the California Historical Resources Information System (CHRIS) at the South-Central Coastal Information Center (SCCIC), located at California State University Fullerton on April 29, 2024. No cultural resources have been recorded within the Project area. However, results of the record search indicate that one previous study has been completed within the Project area and two studies have been completed previously within a 0.5-mile radius of the Project area, shown in the table below (**Table 11**).

Table 11 – Previous Studies within a half-mile radius of the Project area

Report No. (OR-)	Author(s)	Title	Year	Distance (miles) from Project area
01732	Bissell, Ronald M.	Cultural and Paleontological Study in Support of Irrigation Improvements to the Navy Golf Course, Weapons Support Facility Command, Los Alamitos Armed Forces Reserve Center, Orange County, California	1998	0.5 miles
01949	Padon, Beth, McLean, Deborah K.B., Strudwick, Ivan H., and Sturm, Bradley L.	Cultural Resource Assessment for the City of Garden Grove	1995	Within
02546	Duke, Curt	Cultural Resource Assessment Cingular Wireless Facility No. SM 236-01 Orange County, California	2002	0.5 miles

No cultural resources were previously documented within the Project area or within a half-mile radius. Outside of the Project area one cultural resource has been previously documented within the 0.5-mile search radius from the Project area shown in the table below (**Table 12**).

Table 12 – Previously Recorded Cultural Resources within a 0.5-mile radius of the Project area

Primary No. (P-30)	Trinomial No.	Resource Type	Resource Description	Year Recorded	Distance From Project area	NRHP/ CRHR Status
176854	--	Historic Resource	Military Property, "Navy Golf Course, Seal Beach," 1967	1998	0.5 miles	6

A variety of sources were consulted in April of 2024 to obtain information regarding the cultural context of the Project vicinity (see **Table 13** and **Table 14**), including sources of the National Register of Historic Places (NRHP), California Register of Historic Places (CRHP), Built Environment Resource Directory (BERD), California Historical Landmarks (CHL), and California Points of Historical Interest (CPHI).

Table 13 – Additional Sources Consulted

Source	Results
National Register of Historic Places (NRHP)	Negative
Historic USGS Topographic Maps	See Cultural and Paleontological Resources Assessment
Historic US Department of Agriculture Aerial Photographs	See Cultural and Paleontological Resources Assessment
California Register of Historical Resources (CRHR)	Negative
Built Environment Resource Directory (BERD)	Negative
California Historical Landmarks (CHL)	Negative
California Points of Historical Interest (CPHI)	Negative
Bureau of Land Management (BLM) General Land Office Records	Positive (See Cultural and Paleontological Resources Assessment)
Local Registers (Historical Societies/Archives)	Negative
Local Historical Societies	A request for information was sent to the Garden Grove Historical Society on May 29, 2024 and June 20, 2024 via USPS. No response has been received.

Table 14 – BLM Search Results

Name(s)	Accession Number	Authority	Year	Location
Able Stearns	CACAAA 084787	Grant-Spanish/Mexican	1874	T4S, R11W, S28

A Sacred Lands File (SLF) search was requested from the Native American Heritage Commission (NAHC) on April 29, 2024 (**Appendix B**). On May 14, 2024, the NAHC responded that the SLF search was completed with negative results and provided a list of 18 Native American tribal organizations and individuals that may have information about the Project area. The City of Garden Grove conducted Native American consultation in accordance with Assembly Bill (AB) 52 and Senate Bill (SB) 18, as detailed in Section 4.18.

Based on review of the records conducted, the Project is assessed to have a low sensitivity for pre-contact and historic-age resources. No further work is recommended in association with cultural resources.

No cultural resources have been recorded within the Project area. Outside of the Project area one cultural resource has been previously documented within the 0.5-mile search radius from the Project area (**Appendix B**, Table 3, July 2024). Additionally, a consultation with the Garden Grove Historical Society reveals that the Historical Society does not consider the buildings within the Project Site to be considered historically significant under the criteria. The resource is recommended not eligible for listing in the California Register of Historical

Resources (CRHR) at the national, state, and local level due to a lack of historic significance and lack of integrity (**Appendix B**).

The analysis in **Appendix B** evaluated the resources against federal and State historic criteria and determined that there are no historic resources as defined by CEQA that exist within the Project Site. Therefore, there would be no potential impacts associated with an adverse change to historical resources, and no mitigation would be required.

b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?

Less Than Significant with Mitigation Incorporated. The Proposed Project's Cultural and Paleontological Resources Assessment did not identify any significant cultural resources, from paleontological resources, historical resources, tribal resources, or cultural resources. Archaeological sites represent the material remains of human occupation and activity either prior to European settlement (indigenous sites) or after the arrival of Europeans (historical sites). No archaeological resources were determined present on the Project Site. The review of SCCIC record search results, review of historic USGS topographic quadrangle maps, and USDA aerial photographs assessed the Project area to have low sensitivity for pre-contact and historic-age resources.

While the Project area was determined to have low sensitivity for buried prehistoric archaeological resources, the possibility of tribal cultural resources that are unknown to the SCCIC may elevate the cultural sensitivity of the area. Therefore, Project-specific mitigation measures **MM TCR-1, MM TCR-2,** and **MM TCR-3** would be implemented if any tribal cultural resources are discovered. Implementation of these measures will ensure that Project-specific impacts will be less than significant.

c) Disturb any human remains, including those interred outside of formal cemeteries?

Less Than Significant with Mitigation Incorporated. Based on the analysis of records and the archaeological survey of the property, it has been determined that the Project Site does not include a formal cemetery or any archaeological resources that might contain inferred human remains. Mitigation Measure TCR-3 (**MM TCR-3**) would apply to the Proposed Project in the unlikely event that human remains are encountered during project development. With the implementation with MM TCR-3, potential impacts to unanticipated discovery of human remains will be reduced to a less than significant level.

Mitigation Measures

Mitigation measures **MM TCR-1, MM TCR-2**, and **MM TCR-3** are described in Section 4.18.

Conclusion

Implementation of mitigation measures **MM TCR-1**, **MM TCR-2**, and **MM TCR-3** would reduce the potential impacts of the Proposed Project associated with Cultural Resources to less than significant.

4.6 Energy

RK Engineering Group, Inc. performed an Energy Assessment for the Proposed Project to review the energy implications of the Proposed Project and provide recommendations to reduce wasteful, inefficient, and unnecessary consumption of energy during the operation of the Project (**Appendix A** – *Santa Catalina Townhomes Air Quality, Greenhouse Gas, and Energy Impact Study, City of Garden Grove, California*, RK Engineering Group, June 17, 2024, revised August 30, 2024).

Regulatory Setting

Federal and state agencies regulate energy use and consumption through various means and programs. On the federal level, the United States Department of Transportation, the United States Department of Energy, and the United States Environmental Protection Agency are three federal agencies with substantial influence over energy policies and programs. On the state level, the California Public Utilities Commission (CPUC) and the California Energy Commissions (CEC) are two agencies with authority over different aspects of energy. A full list of relevant energy regulations is provided in the analysis in **Appendix A**. The discussion below provides a summary of key standards relative to this Project.

Building Energy Efficiency Standards

The California Building Energy Efficiency Standards for Residential and Nonresidential Buildings (California Code of Regulations, Title 24, Part 6) were established in 1978 to ensure that building construction and system design and installation achieve energy efficiency and preserve outdoor and indoor environmental quality. The current 2022 Building Energy Efficiency Standards became effective on January 1, 2023. The core focus of the building standards has been efficiency, expanded solar standards, and the move to onsite energy storage that will help Californians save on utility bills while bolstering the grid.

The 2022 Energy Code update focuses on four key areas in new construction of homes and businesses:

- Encouraging electric heat pump technology and use, which consumes less energy and produces fewer emissions than traditional HVACs and water heaters.
- Establishing electric-ready requirements when natural gas is installed, which positions owners to use cleaner electric heating, cooking and electric vehicle (EV) charging options whenever they choose to adopt those technologies.
- Expanding solar photovoltaic (PV) system and battery storage standards to make clean energy available onsite and complement the state's progress toward a 100 percent clean electricity grid.
- Strengthening ventilation standards to improve indoor air quality.

The 2022 California Green Building Standards Code (California Code of Regulations, Title 24, Part 11), commonly referred to as the CALGreen Code, is a statewide mandatory construction code that went into effect on January 1, 2023. The CALGreen Code is intended to reduce greenhouse gas emissions from buildings; promote environmentally responsible, cost-effective, healthier places to live and work; reduce energy and water consumption; and respond to the environmental directives of the State. The 2022 CALGreen Code includes mandatory measures for new residential and commercial buildings related to site development; energy efficiency; water efficiency and conservation; material conservation and resource efficiency; and environmental quality. CALGreen also provides voluntary tiers and measures that local governments may adopt that encourage or require additional measures in the five green building topics.

Environmental Setting

Energy use directly relates to environmental quality since it can adversely affect air quality and generate greenhouse gas emissions that contribute to climate change, especially through the combustion of fossil fuels. Electrical power is generated through a variety of sources, including fossil fuel combustion, hydropower, wind, solar, biofuels, and others. Natural gas is widely used to heat buildings, prepare food, and fuel vehicles. Transportation generally uses petroleum-based fuels, such as diesel and gasoline, and fuel consumption is related to the mode of transportation, vehicle fuel efficiency, and vehicle miles traveled. Construction and routine operation and maintenance of transportation infrastructure also consume energy.

California is one of the nation's leading energy-producing states and California's per capita energy use is among the nation's most efficient. California's estimated annual energy use as of 2022 included:

- Approximately 287,220 gigawatt hours of electricity
- Approximately 2,056,267 million cubic feet of natural gas
- Approximately 17.2 billion gallons of transportation fuel

Impact Analysis

CEQA THRESHOLDS	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact or Does Not Apply
VI. ENERGY: Would the project:				
a) Result in a potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?			X	
b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?			X	

Discussion

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

Less Than Significant Impact. The Proposed Project would not result in potentially significant environmental impacts due to wasteful, inefficient, or unnecessary consumption of energy resources, during Project construction or operation. The three (3) main types of energy expected to be consumed by the project include electricity, natural gas, and petroleum products in the form of gasoline and diesel fuel. Project electricity would be provided by Southern California Edison (SCE). SCE is an investor-owned public utility operating as a subsidiary of Edison International. As of 2022, SCE's energy comes from 8.4% Nuclear, 0.1% Biomass and Waste, 5.5% Geothermal, 15.1% Solar, 9.4% Wind, 15.2% Natural Gas, 0.8% Eligible Hydroelectric, 3.3% Large Hydroelectric, and 42% unspecified sources. Natural gas would be provided to the project by Southern California Gas (SoCalGas). Project-related vehicle trip energy consumption would be predominantly gasoline and diesel fuel. Gasoline and other vehicle fuels are commercially provided commodities and would be available to the patrons and employees of the Proposed Project via commercial outlets.

Information from the CalEEMod version 2022.1.1 output (**Appendix A**) was utilized to generate estimates of the Proposed Project's electricity, natural gas, and fuel consumption for construction and operational aspects of the Proposed Project.

Construction Energy

The Proposed Project would involve the demolition of a portion of the improvements on the existing parcel, which includes an existing storage structure located towards the southwest center of the existing parcel, restriping of the existing parking lot, and all other associated improvements south of the storage structure, and the construction of a 26-unit new residential development, open parking spaces, community facilities and associated landscaping. The proposed residential development would include 2-story townhomes (ranging from 1,223 SF to 1,745 SF) with two-to-four-bedroom floor plans, private 2-car garages, patios, and 28 onsite open parking spaces. The Proposed Project is anticipated to start construction no sooner than December 2024 with completion estimated by late-2025. It is anticipated to be operational in 2025. The modeling assumed 26 residential units.

The project's energy consumption from petroleum products is primarily associated with transportation-related activities. This includes gasoline and diesel fuel usage for auto and truck trips during construction and operation, and off-road equipment usage during construction, which is anticipated to be completed in one phase. Project construction would represent a "single event" diesel fuel demand and would not require on-going or permanent commitment of diesel fuel resources once construction is completed. The Proposed Project's estimated energy consumption during construction is provided in **Appendix A.** In summary, the usage was estimated as follows:

- Construction Equipment Fuel Consumption Estimates: 19,688.75 gallons of diesel fuel.
- Construction Worker, Vendor, and Haulage Fuel Consumption Estimates – 2,987.87 gallons of gasoline and 5,714.42 gallons of diesel fuel.

Construction equipment used over the approximately 14-month construction phase would conform to CARB regulations and California emissions standards. There are no unusual project characteristics or construction processes that would require the use of equipment that would be more energy intensive than is used for comparable activities; or equipment that would not conform to current emissions standards (and related fuel efficiencies). Equipment employed in construction of the project would therefore not result in inefficient, wasteful, or unnecessary consumption of fuel.

The Proposed Project would utilize construction contractors which practice compliance with applicable CARB regulation regarding retrofitting, repowering, or replacement of diesel off-road construction equipment. Additionally, CARB has adopted the Airborne Toxic Control Measure to limit heavy-duty diesel motor vehicle idling in order to reduce public exposure to diesel particulate matter and other Toxic Air Contaminants. Compliance with these measures would result in a

more efficient use of construction-related energy and would minimize or eliminate wasteful or unnecessary consumption of energy. Idling restrictions and the use of newer engines and equipment would result in less fuel combustion and energy consumption.

Additionally, California Code of Regulations Title 13, Motor Vehicles, section 2449(d)(3) Idling, limits idling times of construction vehicles to no more than five minutes, thereby minimizing or eliminating unnecessary and wasteful consumption of fuel due to unproductive idling of construction equipment. Enforcement of idling limitations is realized through periodic site inspections conducted by County building officials, and/or in response to citizen complaints.

Therefore, potential impacts associated with wasteful, inefficient, or unnecessary consumption of energy resources during construction of the Proposed Project would be less than significant, and no mitigation would be required.

Operations

During operations, the project is expected to consume energy from auto and truck trips generated by the proposed land uses. Operational vehicle trips are associated with workers, customers, and vendors/non-workers (i.e., delivery, service, maintenance, etc.) traveling to and from the site. Proposed Project's annual petroleum energy consumption for all operation trips is provided in **Appendix A**.

Energy consumption in support of or related to project operations would include transportation energy demands (energy consumed by employee and patron vehicles accessing the Project Site) and facilities energy demands (energy consumed by building operations and site maintenance activities).

The Proposed Project is anticipated to generate approximately 187 trips per day and consume an estimated 23,255.95 gallons of gasoline and 1,363.33 gallons of diesel fuel per year (**Appendix A**). Trip generation and VMT generated by the Proposed Project are consistent with other similar residential uses of similar scale and configuration. That is, the Proposed Project does not propose uses or operations that would inherently result in excessive and wasteful vehicle trips and VMT, nor associated excess and wasteful vehicle energy consumption. Furthermore, the California Energy Commission reports the state of California consumed approximately 3.6 billion gallons of diesel and 13.6 billion gallons of gasoline in 2022. The increase in fuel consumption from the Proposed Project is insignificant in comparison to the State's demand. Therefore, project transportation energy consumption would not be considered wasteful, inefficient, or otherwise unnecessary.

Building operation and site maintenance (including landscape maintenance) would result in the consumption of electricity (provided by SCE) and natural gas (provided by SoCalGas). The annual natural gas and electricity demands are

provided in **Appendix A**. The estimated electricity demand for the Proposed Project is approximately 146,171.47 kWh per year, inclusive of demand for both the residences and shared parking lot and site amenities. By comparison, the residential sector of Orange County consumed approximately 7,830 million kWh of electricity[5]. In addition, the estimated natural gas consumption for the Proposed Project is approximately 624.79 MBTU per year. In 2022, the non-residential sector of Orange County consumed approximately 351.7 million MBTU of gas[6]. Therefore, the increase in both electricity and natural gas demand from the Proposed Project is insignificant compared to the County's 2022 residential sector demand.

Energy use in buildings is divided into energy consumed by the built environment and energy consumed by uses that are independent of the construction of the building such as in plug-in appliances. In California, the California Building Standards Code Title 24 governs energy consumed by the built environment, mechanical systems, and some types of fixed lighting. Non-building energy use, or "plug-in" energy use can be further subdivided by specific end-use (refrigeration, cooking, appliances, etc.). The Proposed Project would be required to comply with Title 24 standards.

The California Building Code is designed to reduce the amount of energy needed to heat or cool a building, reduce energy usage for lighting and appliances, and promote usage of energy from renewable sources. In particular, the project will provide solar installations (or other sources of on-site renewable energy) to satisfy the prescribed Energy Design Ratings from the Energy Code. Furthermore, by including rooftop solar panels, the Proposed Project ensures that wasteful, inefficient, or unnecessary consumption of energy is minimized.

Furthermore, the Proposed Project energy demands in total would be comparable to other residential projects of similar scale and configuration. Therefore, the Project's energy demands and energy consumption would not be considered inefficient, wasteful, or otherwise unnecessary, and no project-specific mitigation would be required.

b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?

Less Than Significant Impact. The project is not expected to conflict with or obstruct a state or local plan for renewable energy or energy efficiency. The project will purchase electricity through Southern California Edison which is subject to the requirements of California Senate Bill 100 (SB 100). SB 100 is the most

[5] Electricity Consumption by County (ca.gov), California Energy Commission. Accessed August 6, 2024.

[6] Gas Consumption by County (ca.gov), California Energy Commission. Accessed on August 6, 2024.

stringent and current energy legislation in California, requiring that renewable energy resources and zero-carbon resources supply 100% of retail sales of electricity to California end-use customers and 100% of electricity procured to serve all state agencies by December 31, 2045.

The Proposed Project would comply with the California Green Building Standard Code requirements for energy efficient buildings and appliances in compliance with the State's Energy Plan and Title 24 CCR energy efficiency standards and energy efficiency programs. Therefore, the Proposed Project will not conflict with or obstruct a state or local plan for renewable energy or energy efficiency, and no mitigation would be required.

Mitigation Measures

No mitigation measures associated with impacts to Energy apply to the Proposed Project.

Conclusion

The energy impacts of the Proposed Project would be less than significant, and no Project-specific mitigation is required.

4.7 Geology and Soils

A geotechnical investigation was prepared for the Proposed Project to assess the potential geologic and soils impacts of the Proposed Project (**Appendix C** – *Geotechnical Investigation, 5802 Santa Catalina Avenue, City of Garden Grove, County of Orange, California,* Alta California Geotechnical, Inc., January 16, 2024).

Additionally, A paleontological report was prepared to assess the potential for paleontological resources within the Proposed Project Site (**Appendix B -** *Cultural and Paleontological Resources Assessment Report for* The Brandywine Garden Grove Project, City of Garden Grove, Orange County, California, Cogstone, July 2024).

Environmental Setting

Regional Geologic Setting

The Project Site is located in the Peninsular Ranges Geomorphic Province of California, which characterizes the southwest portion of southern California where right lateral major active fault zones predominately trend northwest-southeast. The Peninsular Ranges province is composed of plutonic and metamorphic rock, with lesser amounts of Tertiary volcanic and sedimentary rock, Quaternary drainage in-fills and sedimentary veneers.

On site soils as identified by the US Department of Agriculture are 100% Hueneme fine sandy loam, drained. Based on literature review and subsurface investigation of the site, the site is underlain by young alluvial fan deposits, which consist mainly of brown, brown-gray, and tan-gray sand, silty sand, sandy silt, and silty clay in a dry-to-wet and loose/firm to dense/very dense condition. This was logged to a depth of 51.5 feet below ground surface.

Impact Analysis

CEQA THRESHOLDS	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact or Does Not Apply
VII. GEOLOGY AND SOILS: Would the project:				
a) Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:				
• Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.			X	
• Strong seismic ground shaking?			X	
• Seismic-related ground failure, including liquefaction?		X		
• Landslides?				X
b) Result in substantial soil erosion or the loss of topsoil?			X	
c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- site or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?		X		
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property?		X		

CEQA THRESHOLDS	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact or Does Not Apply
e) Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?				X
f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?		X		

Discussion

a) Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:

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

Less than Significant Impact. Surface rupture is expected to occur along preexisting, known active fault traces. However, surface rupture could potentially splay or step from known active faults or rupture along unidentified traces. Active faults are not known to exist within the project and a review of Special Publication 42 indicates the site is not within a California State designated earthquake fault zone. Accordingly, the potential for fault surface rupture on the subject site is very low. Therefore, potential impacts associated with adverse effects to people or structures from a surface rupture would be less than significant, and no mitigation would be required.

- *Strong seismic ground shaking?*

Less than Significant Impact. The site is located on the northwestern portion of the Santa Ana subblock, where the Newport-Inglewood, Puente Hills, San Joaquin, Elsinore, Palos Verdes, and San Jose faults surround the site approximately 4.5, 6.5, 8.7, 12.5, 13.1, and 19.2 miles away, respectively. Active faults are not known to exist within the project and a review of Special Publication 42 indicates the site is not within a California State designated earthquake fault zone. The Proposed Project is required to be constructed consistent with all applicable seismic design standards contained in the 2022 California Building Code (CBC), including

Section 1613A Earthquake Loads, which would reduce impacts reduce risks associated with seismic activity. Therefore, potential impacts associated with adverse effects to people or structures from seismic ground shaking would be less than significant, and no mitigation would be required.

- *Seismic related ground failure, including liquefaction?*

Less than Significant With Mitigation. Liquefaction is the process in which loose, saturated granular soil loses strength as a result of cyclic loading. The strength loss is a result of a decrease in granular sand volume and a positive increase in pore pressures. In general, the more recent that a sediment has been deposited, the more likely it will be susceptible to liquefaction. Other factors that must be considered are groundwater, confining stresses, relative density, and the intensity and duration of seismically induced ground shaking. Groundwater was encountered during subsurface investigation at depths 13.75 to 13.25 feet below the ground surface.

There is a potential for liquefaction to occur at the site during seismic shaking, specifically, liquefaction could cause differential settlement. The Geotechnical Investigation recommends the structures onsite to be supported on a post-tensioned slab/foundation or mat slab system.

Although the Project Site is prone to liquefaction conditions, the Geotechnical Investigation concluded that development of the Proposed Project is feasible with implementation of recommended remedial grading, general earthwork, liquefaction mitigation, storm water infiltration systems, boundary conditions, design considerations, and lot maintenance. With implementation of **MM GEO-1**, the impacts related to seismic related ground failure will be less than significant.

- *Landslides?*

No Impact. The Project Site is relatively flat, with a gentle gradient to the west. and is not immediately adjacent to any slopes or hillsides that could be potentially susceptible to slope instability. No signs of slope instability in the form of landslides, rock falls, earthflows or slumps were observed at or near the subject site. As such, risks associated with slope instability should be considered "negligible". Therefore, no impacts to people or structures from landslides would occur, and no mitigation would be required.

b) Result in substantial soil erosion or the loss of topsoil?

Less Than Significant Impact. The entire site is composed of map unit 158, Hueneme fine sandy loam, drained[7]. During Project construction, when soil is exposed, temporary soil erosion may occur which could be exacerbated by

[7] Natural Resources Conservation Service. United States Department of Agriculture. Accessed on August 20, 2024. https://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx

rainfall. To control the potential for soil erosion, wind, dust, and water quality impacts, the Proposed Project is required to comply with the City's Municipal Code provisions (including the City's Stormwater Water Quality Ordinance) requiring erosion control, SCAQMD rules relating to dust control (such as SCAQMD Rule 403), and rules to protect water quality including preparing a Stormwater Pollution Prevention Plan (SWPPP) to be approved by the Regional Water Quality Control Board (RWQCB). The SWPPP would include BMPs from CASQA, such as stabilized construction entrances and exits, storm drain inlet protection, buffer strips, and silt fences. Compliance with Federal, State, and Local regulations will ensure potential impacts are less than significant. Therefore, potential impacts associated with soil erosion, or the loss of topsoil would be less than significant, and no mitigation would be required.

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

Less Than Significant Impact. Impacts related to liquefaction and landslides are discussed above. Mitigation measure **GEO-1** is recommended to address the potential for liquefaction at the Project Site.

Lateral spreading is horizontal/lateral ground movement of relatively flat or gently sloping surface sediment due to liquefaction in a subsurface level. Lateral spreading generally takes place toward a free face (excavation, channel, retaining wall, slope) but can occur on sites with gently sloping (1% or more) ground, such as the Project Site. Determination of the potential for lateral spread is based on the presence of continuous potentially liquefiable soil layers underneath the structures, the presence of lateral confinement, and various analyses such as empirical modeling. The Geotechnical Investigation concluded that upon completion of remedial grading, the potential for lateral spread to occur onsite is considered within design tolerances of the proposed foundation systems.

Subsidence is the sinking of the ground because of underground material movement and is most often caused by the removal of water, oil, natural gas, or mineral resources out of the ground by pumping, fracking, or mining activities. According to the California Geological Survey[8], the City of Garden Grove is not mapped as an area containing any significant mineral aggregate resources. There are no known ongoing or planned large-scale extractions of groundwater, gas, oil, or geothermal energy that would cause subsidence within Garden Grove.

[8] Department of Conservation. Accessed on June 15, 2024. https://www.conservation.ca.gov/cgs/maps-data

In addition to implementation of **MM GEO-1**, the project would be constructed in accordance with the requirements of the City of Garden Grove Municipal Code and the 2022 California Building Code, which are designed to assure safe construction and include building foundation requirements appropriate to site conditions. Therefore, potential impacts associated with unstable soils the would less than significant, and no mitigation would be required.

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

Less Than Significant Impact With Mitigation. Expansive soils shrink and swell with changes in soil moisture. The Geotechnical Investigation in **Appendix C** includes results of expansion index testing on samples taken during subsurface investigation. The testing determined that the majority of the Project Site soils have "very low" to "medium" expansion potential. Compliance with the design, grading, and construction recommendations in **MM GEO-1**, and constructing the project in accordance with the requirements of the City of Garden Grove Municipal Code and the 2022 California Building Code would reduce risks associated with expansive soils. Therefore, potential impacts associated with expansive soil that creates a substantial direct or indirect risk to life or property would be less than significant, and no mitigation would be required.

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

No Impact. The Proposed Project would not involve the installation of septic tanks or alternative wastewater disposal systems. Therefore, no impacts to soils associated with septic tanks or alternative wastewater disposal systems would occur, and no mitigation would be required.

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

Less than Significant With Mitigation. It is unlikely that the Proposed Project would directly or indirectly destroy a unique paleontological resource or site or unique geologic feature because the Project Site has previously been substantially altered from its prior use. A Sacred Lands File (SLF) search was requested from the Native American Heritage Commission (NAHC) on April 29, 2024 (**Appendix B**). On May 14, 2024, the NAHC responded that the SLF search was completed with negative results. Although no impacts to paleontological resources are anticipated, grading activities have a potential for encountering unknown resources in the Project Site; therefore, the applicant will be required to comply with **MM TCR-1.** With implementation of **MM TCR-1**, the impacts related to paleontological or geologic sites or resources will be less than significant.

Mitigation Measures

MM GEO-1:

During design, grading, and construction of the Proposed Project, the project applicant shall follow all recommendations in Section 6.0, Conclusions and Recommendations (pages 12-21), Section 7.0 Design Considerations (pages 21-31), and Section 8.0 Lot Maintenance (page 31) of the geotechnical report prepared for the project (Geotechnical Investigation, 5802 Santa Catalina Avenue City of Garden Grove, County of Orange, California, Alta California Geotechnical, Inc., January 16, 2024).

Conclusion

The Proposed Project is required to comply with mitigation measure **MM GEO-1** and **MM TCR-1** to ensure that Project-specific impacts would be less than significant.

4.8 Greenhouse Gas Emissions

RK Engineering Group, Inc. performed a Greenhouse Gas Emissions Assessment for the Proposed Project to assess potential impacts to greenhouse gas emissions (**Appendix A** – *Santa Catalina Townhomes Air Quality, Greenhouse Gas, and Energy Impact Study*, *City of Garden Grove, California*, RK Engineering Group, Inc., June 17, 2024, revised August 30, 2024).

Environmental Setting

Constituent gases of the Earth's atmosphere, called atmospheric greenhouse gases (GHG), play a critical role in the Earth's radiation amount by trapping infrared radiation emitted from the Earth's surface, which otherwise would have escaped to space. This phenomenon, known as the Greenhouse Effect, is responsible for maintaining a habitable climate. GHGs comprise less than 0.1 percent of the total atmospheric composition, yet they play an essential role in influencing climate. Greenhouse gases include naturally occurring compounds such as carbon dioxide (CO2), methane (CH4), water vapor (H2O), and nitrous oxide (N2O), while others are synthetic. Anthropogenic (caused or produced by humans) emissions of these greenhouse gases in excess of natural ambient concentrations are responsible for the enhancement of the Greenhouse Effect and have led to a trend of unnatural warming of the Earth's natural climate, known as global warming or climate change. Emissions of gases that induce global warming are attributable to human activities associated with industrial/manufacturing, agriculture, utilities, transportation, and residential land uses.

Regulatory Setting

Since 1987, many countries around the world have tried to reduce atmospheric greenhouse gas (GHG) emissions as climate change is a global issue. Over the past 35 years, the United States, and the State of California, have enacted a myriad of regulations that have evolved over time aimed at reducing GHG emissions in transportation, building and manufacturing. Some of the key climate legislation and regulation in California include the following:

- **Assembly Bill (AB) 32, California Global Warming Solutions Act of 2006.** AB 32 set the stage for the State's transition to a sustainable, low-carbon future. AB 32 was the first program in the country to take a comprehensive, long-term approach to addressing climate change.
- **Senate Bill (SB) 375, Sustainable Communities & Climate Protection Act of 2008.** SB 375 requires the Air Resources Board to develop regional greenhouse gas emission reduction targets for passenger vehicles GHG reduction targets for 2020 and 2035 for each region covered by the State's 18 metropolitan planning organizations.

- **Senate Bill (SB) 100, California Renewables Portfolio Standard Program.** SB 100 established a landmark policy requiring renewable energy and zero-carbon resources supply 100 percent of electric retail sales to end-use customers by 2045.
- **California Building Standards Code – Title 24.** The California Building Standards Code Title 24 Part 6 (Energy Code) and Title 24 Part 11 (CALGreen) requires multiple building provisions to reduce energy usage and GHG emissions and is updated on a triennial basis.

The SCAQMD published its *Interim CEQA Greenhouse Gas (GHG) Significance Thresholds* in December 2008. SCAQMD's goal in issuing the GHG guidelines was to set a performance standard aimed at reducing GHG emissions below 1990 levels. This aligns with Executive Order B-30-15, which mandates that GHG levels be reduced to 80% of 1990 levels by 2050.

In the absence of a formal threshold established by the State, SCAQMD's interim GHG thresholds have been used by lead agencies in determining the significance of GHG emissions in CEQA. SCAQMD guidance describes a five-tiered approach for determining significance. Tier 3 is the primary method used for development projects of this size and is the approach used in this analysis. The Tier 3 approach limits the amount of GHG emissions from residential and commercial development projects to 3,000 metric tons of CO_2 equivalents per year ($MTCO_2e$/yr).

If the project exceeds 3,000 $MTCO_2e$/yr, then the impact is considered significant, and mitigation measures would be required to reduce emissions below the threshold.

The City of Garden Grove does not have a Climate Action Plan to specifically address GHG reductions, but there are numerous State plans, policies, and regulations adopted for the purpose of reducing GHG emissions. The principal overall State plan and policy is AB 32, which focuses on reducing GHG emissions in California to 1990 levels by 2020. This goal is further supplemented by SB 32 and Executive Order B-30-15, which established a reduction target of at least 40 percent below 1990 emissions by 2030, and Executive Order S-3-05, which established a reduction target of at least 80 percent below 1990 emissions by 2050.

Table 15 – Project Consistency with CARB Scoping Plan Policies and Measures

2008 Scoping Plan Measures to Reduce Greenhouse Gas Emissions	Project Compliance with Measure
California Light-Duty Vehicle Greenhouse Gas Standards – Implement adopted standards and planned second phase of the program. Align zero-emission vehicle, alternative and renewable fuel and vehicle technology programs with long-term climate change goals.	No Conflict. These are CARB enforced standards; vehicles that access the project (that are required to comply with the standards) will comply with the strategy.
Energy Efficiency – Maximize energy efficiency building and appliance standards; pursue additional efficiency including new technologies, policy, and implementation mechanisms. Pursue comparable investment in energy efficiency from all retail providers of electricity in California.	No Conflict. The project will be compliant with the current Title 24 standards.
Vehicle Efficiency Measures – Implement light-duty vehicle efficiency measures.	No Conflict. These are CARB enforced standards; vehicles that access the project (that are required to comply with the standards) will comply with the strategy.
Medium/Heavy-Duty Vehicles – Adopt medium and heavy-duty vehicle efficiency measures.	No Conflict. These are CARB enforced standards; vehicles that access the project (that are required to comply with the standards) will comply with the strategy.
Green Building Strategy – Expand the use of green building practices to reduce the carbon footprint of California's new and existing inventory of buildings.	No Conflict. The California Green Building Standards Code (proposed Part 11, Title 24) was adopted as part of the California Building Standards Code in the CCR. Part 11 establishes voluntary standards, that are mandatory in the 2019 edition of the Code, on planning and design for sustainable site development, energy efficiency (in excess of the California Energy Code requirements), water conservation, material conservation, and internal air contaminants. In addition, the 2022 edition of the Code took effect January 1, 2023. The project will be subject to these mandatory standards.
High Global Warming Potential Gases – Adopt measures to reduce high global warming potential gases.	No Conflict. CARB identified five measures that reduce HFC emissions from vehicular and commercial refrigeration systems; vehicles that access the project that are required to comply with the measures will comply with the strategy.
Recycling and Waste – Reduce methane emissions at landfills. Increase waste diversion, composting, and commercial recycling. Move toward zero waste.	No Conflict. The project will participate in the City's existing waste, organics, and recycling program.
Water – Continue efficiency programs and use cleaner energy sources to move and treat water.	No Conflict. The project will comply with all applicable City ordinances and CAL Green requirements.

2017 Scoping Plan Recommended Actions to Reduce Greenhouse Gas Emissions	Project Compliance with Recommended Action
Implement Mobile Source Strategy: Further increase GHG stringency on all light-duty vehicles beyond existing Advanced Clean Car regulations.	No Conflict. These are CARB enforced standards; vehicles that access the project (that are required to comply with the standards) will comply with the strategy.
Implement Mobile Source Strategy: At least 1.5 million zero emission and plug-in hybrid light-duty electric vehicles by 2025 and at least 4.2 million zero emission and plug-in hybrid light-duty electric vehicles by 2030.	No Conflict. These are CARB enforced standards; vehicles that access the project (that are required to comply with the standards) will comply with the strategy.
Implement Mobile Source Strategy: Innovative Clean Transit: Transition to a suite of to-be-determined innovative clean transit options. Assumed 20 percent of new urban buses purchased beginning in 2018 will be zero emission buses with the penetration of zero-emission technology ramped up to 100 percent of new sales in 2030. Also, new natural gas buses, starting in 2018, and diesel buses, starting in 2020, meet the optional heavy-duty low-NOX standard.	No Conflict. These are CARB enforced standards; vehicles that access the project (that are required to comply with the standards) will comply with the strategy.
Implement Mobile Source Strategy: Last Mile Delivery: New regulation that would result in the use of low NOX or cleaner engines and the deployment of increasing numbers of zero-emission trucks primarily for class 3-7 last mile delivery trucks in California. This measure assumes ZEVs comprise 2.5 percent of new Class 3–7 truck sales in local fleets starting in 2020, increasing to 10 percent in 2025 and remaining flat through 2030.	No Conflict. These are CARB enforced standards; vehicles that access the project (that are required to comply with the standards) will comply with the strategy.
Implement SB 350 by 2030: Establish annual targets for statewide energy efficiency savings and demand reduction that will achieve a cumulative doubling of statewide energy efficiency savings in electricity and natural gas end uses by 2030.	No Conflict. These are CARB enforced standards
By 2019, develop regulations and programs to support organic waste landfill reduction goals in the SLCP and SB 1383.	No Conflict. The project will be required to comply with City programs which comply with the 75 percent reduction required by 2020 per AB 341.
2022 Scoping Plan Priority Key Actions and Recommendations	**Project Compliance with Recommended Actions**
100 percent of light-duty vehicle sales are ZEVs by 2035.	Not Applicable. This action is in regard to vehicle sales, with an aim to have 100 percent of light-duty vehicle sales be ZEVs by 2035. The Proposed Project is a multi-family residential development and would not interfere with such policymaking.

VMT per capita reduced 25 percent below 2019 levels by 2030 and 30 percent below 2019 levels by 2045.	No Conflict. The Project would not result in an unmitigated impact to VMT. The Project is a 26-unit residential development located in close proximity to existing roadways and commercial uses. Therefore, the Project would be anticipated to contribute to a reduction in VMT per capita.
All electric appliances in new construction beginning 2026 (residential) and 2029 (commercial).	No Conflict. The California Green Building Standards Code (proposed Part 11, Title 24) was adopted as part of the California Building Standards Code in the CCR. Part 11 establishes standards on planning and design for sustainable site development, energy efficiency (in excess of the California Energy Code requirements), water conservation, material conservation, and internal air contaminants. In addition, the 2022 edition of the Code took effect January 1, 2023. The project will be subject to these mandatory standards.
For existing residential buildings, 80 percent of appliance sales are electric by 2030 and 100 percent of appliance sales are electric by 2035 (appliances replaced at end of life). For existing commercial buildings, 80 percent of appliance sales are electric by 2030 and 100 percent of appliance sales are electric by 2045 (appliances replaced at end of life)	Not Applicable. This action is in regard to appliance sales and the Proposed Project would not interfere with such policymaking. Furthermore, although this action is not necessarily applicable on a project-specific basis, the Proposed Project is subject to the California Green Building Standards Code (proposed Part 11, Title 24) which was adopted as part of the California Building Standards Code in the CCR. Part 11 establishes standards on planning and design for sustainable site development, energy efficiency (in excess of the California Energy Code requirements), water conservation, material conservation, and internal air contaminants. In addition, the 2022 edition of the Code took effect January 1, 2023. The project will be subject to these mandatory standards.

Impact Analysis

CEQA THRESHOLDS	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact or Does Not Apply
VIII.GREENHOUSE GAS EMISSIONS: Would the project:				
a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?			X	
b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?			X	

Discussion

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

Less Than Significant. SCAQMD published the *Interim CEQA Greenhouse Gas (GHG) Significance Thresholds, December 2008,* to assist local agencies with determining the impact of a project's GHG emissions. SCAQMD's objective in providing the GHG guidelines is to establish a performance standard that will ultimately contribute to reducing GHG emissions below 1990 levels, and thus achieve the requirements of the California Global Warming Solutions Act (AB 32).

In the absence of a formal threshold established by the State, SCAQMD's interim GHG threshold has been established for use by lead agencies in determining significance of GHG emissions in CEQA. SCAQMD guidance describes a five-tiered approach for determining significance. Tier 3 is the primary method used for development projects of the Proposed Project's size. The Tier 3 approach limits the amount of GHG emissions from residential and commercial development projects to 3,000 metric tons of CO2 equivalents per year (MTCO2e/yr). If the project exceeds 3,000 MTCO2e/yr, then the impact is considered significant, and mitigation measures would be required to reduce emissions below the threshold.

The Proposed Project is anticipated to generate GHG emissions from area sources, energy usage, mobile sources, waste disposal, water usage, and construction equipment. Greenhouse gas emissions were calculated for on-site and off-site construction and operations activity using CalEEMod 2022.1.1 (**Appendix A**). **Table 16** – *Construction Greenhouse Gas Emissions* shows the

construction greenhouse gas emissions, including equipment and worker vehicle emissions for all phases of construction. Construction emissions are averaged over 30 years and added to the long-term operational emissions, pursuant to SCAQMD.

Table 16 - Construction Greenhouse Gas Emissions

Activity	Emissions ($MTCO_2e$)[1]		
	On-site	Off-site	Total
Demolition	22.70	46.97	69.67
Site Preparation	2.01	0.10	2.11
Grading	4.47	6.55	11.02
Building Construction	163.96	30.43	194.39
Paving	4.51	0.74	5.25
Architectural Coating	0.61	0.22	0.83
Total	**198.26**	**85.01**	**283.27**
Amortized over 30 years[2]	**6.61**	**2.83**	**9.44**

[1] $MTCO_2e$ = metric tons of carbon dioxide equivalents (includes carbon dioxide, methane, nitrous oxide, and/or hydrofluorocarbon

[2] GHG emissions are amortized over 30 years and added to the operational emissions, pursuant to SCAQMD recommendations

Because impacts from construction activities occur over a relatively short period of time, they contribute a relatively small portion of the overall lifetime project GHG emissions. However, SCAQMD recommends that construction emissions be amortized over a 30-year project lifetime and added to the overall project operational emissions. In doing so, construction GHG emissions are included in the overall contribution of the project. Greenhouse gas emissions from mobile sources, area sources and energy sources are shown in **Table 17** – *Operational Greenhouse Gas Emissions*.

Table 17 - Operational Greenhouse Gas Emissions

Emission Source	Unmitigated GHG Emissions ($MTCO_2e$)[1]
Mobile Source	205.05
Area Source	7.65
Energy Source	66.55
Water	3.32
Waste	5.96
Refrigerant	0.06
Construction (30-year amortization)	9.44
Total Annual Emissions	**298.03**
SCAQMD Tier 3 Significance Threshold	3,000 $MTCO_2e$/year
Exceeds Threshold?	**No**

Tables 16 and **17** show that the Proposed Project's total emissions would be well below 3,000 $MTCO_2e$ per year. According to the SCAQMD draft threshold of

significance discussed above, a cumulative global climate change impact would occur if the GHG emissions created from the on-going operations of the Proposed Project would exceed the SCAQMD screening threshold of 3,000 MTCO2e per year for all land uses. Therefore, potential impacts associated with the generation of greenhouse gas emissions would be less than significant.

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

Less Than Significant. The City of Garden Grove does not have a Climate Action Plan to specifically address GHG reductions, but there are numerous State plans, policies, and regulations adopted for the purpose of reducing GHG emissions. The principal overall State plan and policy is AB 32, which focuses on reducing GHG emissions in California to 1990 levels by 2020. This goal is further supplemented by SB 32 and Executive Order B-30-15, which established a reduction target of at least 40 percent below 1990 emissions by 2030, and Executive Order S-3-05, which established a reduction target of at least 80 percent below 1990 emissions by 2050.

A specific requirement of AB 32 was to prepare a Climate Change Scoping Plan for achieving the maximum technologically feasible and cost-effective GHG emission reduction by 2020. The CARB Board approved a Climate Change Scoping Plan in December 2008 and updated the plan in 2014, approved a new Climate Change Scoping Plan in 2017, and the most recent Climate Change Scoping Plan in 2022. As the 2022 Scoping Plan builds upon previous versions, project consistency with applicable strategies of the 2008, 2017, and 2022 Plan are assessed in the above discussion for **Table 15** – *Project Consistency with CARB Scoping Plan Policies and Measures*. As shown above, the Project is consistent with the applicable strategies within the Scoping Plan.

The Project would not conflict with the goals of AB-32, SB-32, or the CARB Scoping Plan; therefore, the Project would not conflict with an applicable plan, policy or regulation of an agency adopted for the purpose of reducing the emissions of greenhouse gases and impacts are considered to be less than significant, and no mitigation would be required.

Mitigation Measures

No mitigation measures associated with impacts to Greenhouse Gas Emissions apply to the Proposed Project.

Conclusion

The Proposed Project is consistent with the goals and objectives of AB 32, SB-32, the CARB Scoping Plan and the SCAQMD's 3,000 $MTCO_2e$ per year threshold for all land uses. Therefore, the Proposed Project would not conflict with any applicable plan, policy, or regulation of an agency adopted for the purpose of

reducing the emissions of GHGs. The Greenhouse Gas Emissions impacts of the Proposed Project would be less than significant, and no Project-specific mitigation would be required.

4.9 Hazards and Hazardous Materials

Stantec Consulting Services, Inc. prepared a Phase I Environmental Site Assessment (ESA) and a Phase II ESA (**Appendix D** – *Phase I ESA and Phase II ESA – 5802 Santa Catalina Avenue, Garden Grove, California 92845,* Stantec, February 21, 2024) to determine potential impacts from hazardous materials associated with the development of the Proposed Project.

Environmental Setting

A hazardous material is a substance that is toxic, flammable/ignitable, reactive, or corrosive. Extremely hazardous materials are substances that show high or chronic toxicity, carcinogenic, bio accumulative properties, persistence in the environment, or that are water reactive. Improper use, storage, transport, and disposal of hazardous materials and waste may result in harm to humans, surface and groundwater degradation, air pollution, fire, and explosion.

Typical equipment which may contain fuel or hydraulic oil that may be used during construction include graders, loaders, dozers, cranes, forklift/pallet jack, and jackhammers.

Project Site

Based on a review of historical aerial images provided by Environmental Database Resources (EDR) and analyzed in the February 2024 Phase I and II Environmental Site Assessment (ESA) by Stantec, the Project Site and surrounding properties were utilized for agricultural purposes between the 1920's and 1950's. By 1963, the site appears to have been graded for future development and is no longer used for agricultural purposes. The 1.73-acre Project Site is located on a portion of a larger 3.03-acre parent parcel (APN 224-212-01) and is improved with an asphalt pavement parking lot which is utilized as overflow parking for the church and associated structures located on the Project Site. The Project Site is surrounded by church buildings and their associated parking lot to the north, a stormwater channel to the west, and single-family residences to the east, and Santa Barbara Avenue to the south. There are single-family residences beyond the stormwater channel to the east and multi-family and commercial uses beyond Bailey Street/Santa Barbara Avenue to the south.

Based on the historical agricultural use, pesticides and/or herbicides may have been applied to the site soils on the Subject Property. These chemicals may persist in the subsurface at concentrations that maybe a concern to the residential development of the subject site. Stantec recommended the collection of shallow soil samples to evaluate if organochlorine pesticides (OCPs) and/or the metals lead and arsenic associated with herbicides exist at concentrations above residential screening levels or California hazardous waste levels for off-Site disposal. In addition, Stantec identified asphalt-covered portions of the Subject

Property and, therefore, recommends conducting a Petromat survey throughout the asphalted parking lot to investigate and assess the potential presence of asbestos-containing materials so that they may, as necessary, be abated in accordance with all applicable laws during site development activities.

To address these two issues, a Phase II ESA was completed on February 16, 2024.

The Phase II ESA included the asphalt coring and the advancement of ten (6) soil borings (SB-1 through SB-6) to approximately 3 feet below ground surface (bgs) across the Property. Soil samples were collected from 1.0; 2.0; and 3.0-feet bgs from all soil borings and the shallow interval (1.0-ft bgs) was submitted for analysis of organochlorine pesticides (OCPs) by EPA Method 8081A; and arsenic/lead by EPA Method 6010B.

The Project includes demolition of existing structures which may contain asbestos and will be required to comply with the requirements established in SCAQMD Rule 1403. SCAQMD Rule 1403 establishes the survey requirements, notification, and work practices to prevent asbestos emissions from emanating during building renovation and demolition activities. Compliance with Rule 1403 will ensure the project impact will be less than significant.

Impact Analysis

CEQA THRESHOLDS	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact or Does Not Apply
IX. HAZARDS AND HAZARDOUS MATERIALS: Would the project:				
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?			X	
b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?			X	
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?				X
d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard or excessive noise to the public or the environment?				X
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?				X
f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?		X		

CEQA THRESHOLDS	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact or Does Not Apply
g) Expose people or structures, either directly or indirectly to a significant risk of loss, injury or death involving wildland fires?				X

Discussion

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

Less than Significant Impact. Construction of the Proposed Project would involve the transport, storage, and use of chemical agents, solvents, paints, and other hazardous materials commonly associated with construction activities. Chemical transport, storage, and use would comply with the Resource Conservation and Recovery Act (RCRA), Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), Occupational Safety and Health Administration (OSHA), Department of Toxic Substances Control (DTSC), California Division of Safety and Health (DOSH), South Coast Air Quality Management District (SCAQMD), and the Orange County Health Care Agency Environmental Health Division (EHD) requirements.

Project operations could involve the use, transport, storage, and disposal of hazardous household materials used for cleaning and landscaping purposes, such as paint solvents, pesticides and fertilizers, and cleansers. The Proposed Project would not involve the routine transport, use, or disposal of quantities of hazardous materials that may create a significant hazard to the public or environment.

With mandatory regulatory compliance with federal, State, and local laws, potential impacts associated with hazardous materials would be less than significant, and no mitigation would be required.

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

Less than Significant Impact. As mentioned above, the Phase II ESA report found no potential areas of concern on the Project Site. The Project Site is not listed on hazardous materials site lists compiled pursuant to Government Code Section 65962.5. Therefore, there is limited foreseeable upset of subsurface hazards being

unearthed during excavation associated with construction or for hazardous materials to be released from existing materials.

Construction activities would require the temporary use of hazardous substances, such as fuel, lubricants, and other petroleum-based products for the operation of construction equipment as well as oil, solvents, or paints. The transportation, use, and handling of hazardous materials would be temporary and coincide with the short-term Project construction activities. These materials would be handled and stored in compliance with all applicable federal, state, and local requirements. Any handling of hazardous materials would be limited to the quantities and concentrations set forth by the manufacturer and/or applicable regulations.

All hazardous materials would be securely stored in a construction staging area or similar designated location within the Project Site. The handling, transport, use, and disposal of hazardous materials must comply with all applicable federal, state, and local agencies and regulations, including the Department of Toxic Substances Control; Occupational Health and Safety Administration (OSHA); Caltrans; and the County Health Department - Hazardous Materials Management Services.

Operations Impacts

The Proposed Project consists of a 26-unit residential housing development. No commercial activities will take place in the proposed development. Hazardous materials would be limited to private use of commercially available cleaning products, landscaping chemicals and fertilizers, and various other commercially available substances. These substances are required to comply with guidelines to minimize health risk to the public associated with hazardous materials. Therefore, there is limited reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment. Impacts would be less than significant, and no mitigation would be required.

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

No Impact. The Proposed Project Site is not located within one-quarter mile of an existing or proposed school. The closest school is Patton Elementary School at approximately 1.03 miles from the site, and Garden Park Elementary School located 1.14 limes from the site. Since there are no schools within one-quarter mile of the Project Site, no impacts would occur, and no mitigation would be required.

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

No Impact. Government Code Section 65962.5(a)(1) requires that the Department of Toxic Substance Control (DTSC) "shall compile and update as appropriate, but at least annually, and shall submit to the Secretary for Environmental Protection, a list of all the following: (1) all hazardous waste facilities subject to corrective action pursuant to Section 25187.5 of the Health and Safety Code ("HSC")." The hazardous waste facilities identified in HSC § 25187.5 are those where DTSC has taken or contracted for corrective action because a facility owner/operator has failed to comply with a date for taking corrective action in an order issued under HSC § 25187, or because DTSC determined that immediate corrective action was necessary to abate an imminent or substantial endangerment. This is known as the "Cortese List." This is a very small and specific subgroup of facilities, and they are not separately posted on the DTSC or Cal/EPA's website. This includes the DTSC Envirostor database, California State Water Resources Control Board (CRWQCB) Geotracker database, and Los Angeles County Department of Public Works (DPW) databases.

Based on the results of the database review, the Project Site is not located on any site that has been identified in accordance with Government Code Section 65962.5. Therefore, the Project would have no impact to the public or environment directly, indirectly, or cumulatively, for these purposes.

e) For a project located within an airport land use plan or, where such a plan had not been adopted, within 2 miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?

No Impact. The Joint Forces Training Base – Los Alamitos, located in Los Alamitos, California, is the nearest airport to the Proposed Project Site, approximately 0.5 miles away. Additionally, the Project Site is approximately 6 miles from the Long Beach Airport and 6.28 miles south of the Fullerton Municipal Airport. The Project is not located within a significant noise contour that would cause adverse noise impacts on the proposed residences and noise is not anticipated to impact the Project Site, nor will the Project create a safety hazard to the people residing or working in the Project area. Therefore, no impact would occur.

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

Less Than Significant Impact with Mitigation. The City of Garden Grove adopted an Emergency Operations Plan (EOP) on December 13, 2022, which provides the basis for the City's emergency planning, identifies the Emergency Operations Center, and indicates the personnel responsible for managing the emergency operations systems. Garden Grove is part of the Operational Area of Orange County. The City's Local Hazard Mitigation Plan (LHMP) was last updated in February 2020. The LHMP guides hazard mitigation planning to better protect the people and property of the City, demonstrates the commitment to reducing risks

from hazards and serves as a tool to help decision makers direct mitigation activities and resources. The Proposed Project would not interfere with the City's EOP or LHMP, nor would it impede roadway access through removal or closure of any streets that provide through access. Map 1.1 of the EOP (Garden Grove Evacuation Routes/Transportation Routes) does not designate the streets abutting the Project Site (Santa Catalina Avenue, Santa Barbara Avenue, and Bailey Street) as emergency evacuation or transportation routes. The closest emergency access/evacuation route is Valley View Street, which is located approximately 0.15-mile east of the Project site. Project construction does not propose any road closures that could impair emergency evacuation routes. All construction activities would be required to be performed according to the standards and regulations of the City and county fire and local police departments. For example, the Property Owner/Developer and its construction contractor would be required to provide on- and off-site access and circulation for emergency vehicles and services during the construction and operation phases.

The Proposed Project would also be required to undergo the City's development review and permitting process and would be required to incorporate all applicable design and safety standards and regulations of the Orange County Fire Authority to ensure that the Proposed Project does not interfere with the provision of local emergency services (e.g., provision of adequate access roads to accommodate emergency response vehicles, adequate numbers/locations of fire hydrants).

During the construction phase, the Project could temporarily impact street traffic adjacent to the Project Site due to construction activities in the right-of-way (ROW). Project construction could reduce the number of lanes or temporarily close a portion of Santa Catalina Ave, Santa Barbara Ave and/or Bailey St. **Mitigation Measure HAZ-MAT-1** would minimize any impacts on the emergency operations plan and evacuation routes due to temporary street or lane closure. **MM HAZ-MAT-1** would require a Right-of-Way permit if deemed necessary by the City Traffic Engineer. Prior to the start of construction activity in the public right-of-way, if deemed necessary by the City Traffic Engineer, the General Contractor shall submit a Right-of-Way Permit to be reviewed and approved by the City Traffic Engineer. The Right-of-Way Permit includes requirements such as a traffic control plan for review by the Traffic Engineering Division. The traffic control plan shall detail lane lines, islands and medians, street intersections, and driveways. The traffic control plan would conform to the latest edition of the California Manual for Traffic Control Devices and the requirements of the City Traffic Engineer. Emergency access must be maintained per OCFA standards. Therefore, any potential impacts to emergency evacuation routes would be minimized. Compliance with City of Garden Grove and OCFA requirements for traffic management during construction in the public ROW would ensure that the project would have a less than significant impact in this regard.

Overall, impacts to an emergency response plan would be less than significant with implementation of **MM HAZ-MAT-1.**

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

No Impact. Wildfires typically pose minimal threat to people and buildings in urban areas but increasing human encroachment into natural areas increases the likelihood of bodily harm or structural damage. This encroachment occurs in areas called the wildland-urban interface (WUI), which is considered an area within the high and very high fire hazard severity zone, as defined by the California Department of Forestry and Fire Protection (CAL FIRE). CAL FIRE developed Fire Hazard Severity Zones (FHSZ) for State Responsibility Areas (SRA) and Local Responsibility Areas (LRA). As shown in **Figure 11** – Fire Hazard Severity Zones, the Project Site is not located in a Very High Fire Hazard Severity Zone, SRA or LRA. The Project Site is in an urbanized area where no wildfire hazards are present. Therefore, no impacts associated with wildland fires would occur and no mitigation would be required.

Mitigation Measures

HAZ-MAT-1:

> Prior to the start of construction activity in the public right-of-way, if deemed necessary by the City Traffic Engineer, the General Contractor shall submit a Right-of-Way Permit to be reviewed and approved by the City Traffic Engineer. The Right-of-Way Permit includes requirements such as a traffic control plan for review by the Traffic Engineering Division. The traffic control plan shall detail lane lines, islands and medians, street intersections, and driveways. The traffic control plan would conform to the latest edition of the California Manual for Traffic Control Devices and the requirements of the City Traffic Engineer. Emergency access must be maintained per OCFA standards. Compliance with City requirements for traffic management during construction in the public ROW is required.

Conclusion

The Proposed Project is required to comply with mitigation measure **HAZ-MAT-1** to ensure that Project-specific impacts would be less than significant.

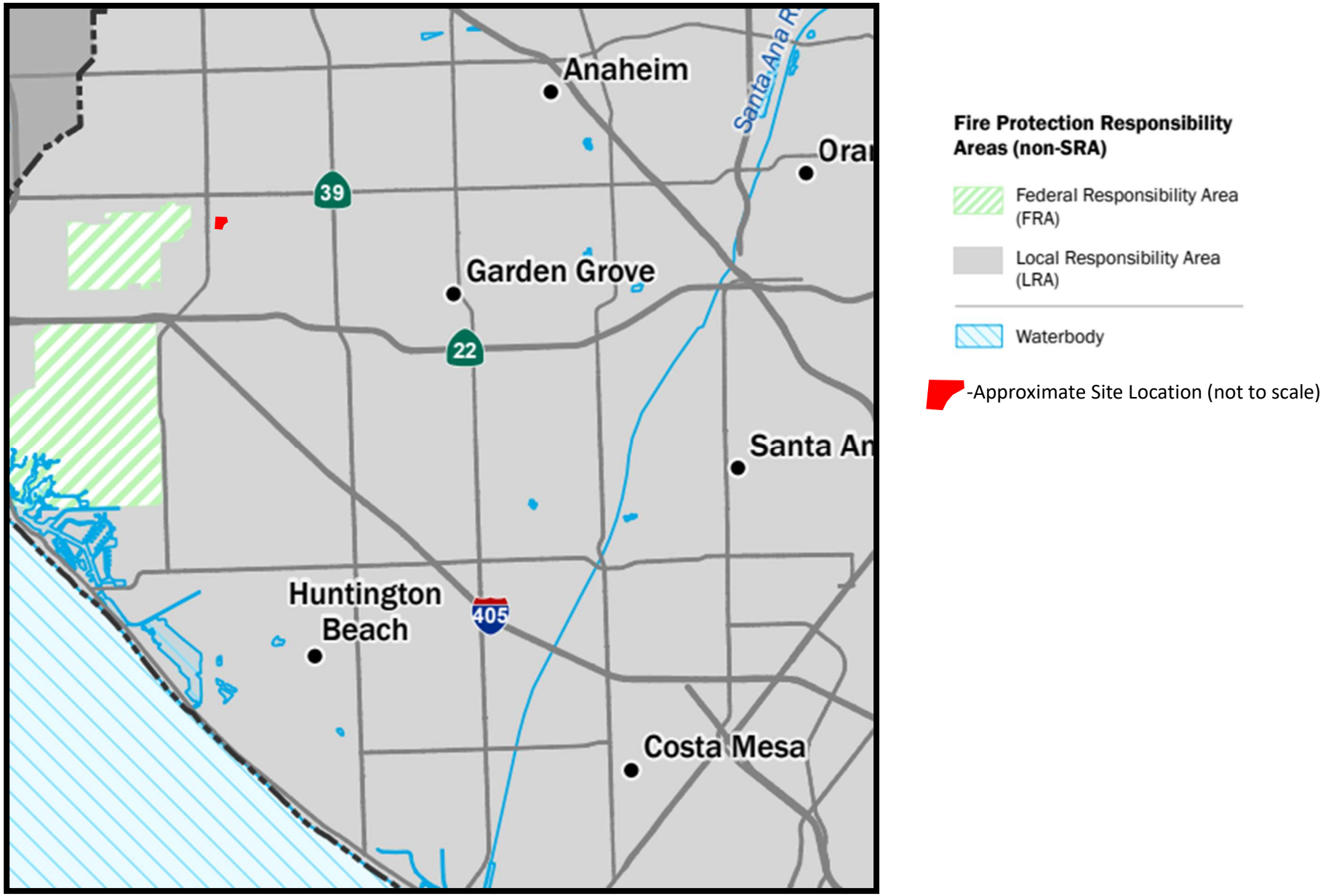


Figure 11: Fire Hazards Severity Zone Map

Source: *California Department of Forestry and Fire Protection (CAL FIRE) – Fire Hazard Severity Zone Map Viewer*

4.10 Hydrology and Water Quality

The Advanced Civil Group prepared a Preliminary Water Quality Management Plan (PWQMP) (**Appendix E** – *Preliminary Water Quality Management Plan, 5802* Santa Catalina, Advanced Civil Group, Inc., May 9th, 2024) and a Preliminary Due Diligence Report (**Appendix F** – *Preliminary Due Diligence Report: 5802 Santa Catalina,* Advanced Civil Group, Inc., December 2023) to determine potential impacts to hydrology and water quality associated with the development of the Proposed Project.

Regulatory Setting

The City of Garden Grove is within the Anaheim Bay/Huntington Harbour Watershed and is under the authority of the Santa Ana Regional Water Quality Control Board (SARWQCB). The SARWQCB is responsible for designing and implementing the Santa Ana River Basin Plan (Basin Plan), which is designed to preserve and enhance water quality and protect the beneficial uses of all regional waters. Specifically, the Basin Plan designates beneficial uses for surface and ground waters, sets narrative and numerical objectives that must be attained or maintained to protect the designated beneficial uses and conform to the state's antidegradation policy, and describes implementation programs to protect all waters in the Region. In addition, the Basin Plan incorporates (by reference) all applicable State and Regional Board plans and policies and other pertinent water quality policies and regulations.

Urban stormwater runoff is the largest source of unregulated pollution to the waterway and coastal areas of the United States. Stormwater runoff can be contaminated with a variety of pollutants that contribute to increased health risks and environmental damage. The Clean Water Act (CWA) and other Federal, state and regional regulations require the City of Garden Grove to control the discharge of pollutants to the storm drain system, including the discharge of pollutants from construction sites and areas of new development or significant redevelopment.

The CWA provides that states are authorized to operate their own National Pollutant Discharge Elimination System (NPDES) programs provided such programs meet minimum Federal requirements. The SARWQCB issues the municipal stormwater NPDES permit. Further, Permittees are to assure that stormwater discharges from the Municipal Separate Storm Water Sewer System (MS4) shall neither cause nor contribute to the exceedance of water quality standards and objectives, nor create conditions of nuisance in the receiving waters, and that the discharge of non-stormwater to the MS4 has been effectively prohibited.

The SARWQCB operates under MS4 permit, Order No. R8-2009-0030, NPDES Permit No. CAS618030, as amended by Order No. R8-2010-0062. This permit requires the

creation of a Drainage Area Management Plan (DAMP) that reduces the pollution content of stormwater to the Maximum Extent Practicable (MEP). The purpose of the Orange County Drainage Area Management Plan (DAMP) is to satisfy NPDES permit conditions for creating and implementing a Storm Water Management Plan/Program to reduce pollutant discharges to the MEP. The DAMP contains guidelines on structural and nonstructural BMPs for meeting the NPDES goals. The DAMP identifies activities required to implement the minimum control measures required under the Municipal Permit. In order to ensure that construction sites implement the appropriate pollution control measures, the DAMP details recommended BMPs to be applied to new development and significant redevelopment in Orange County. Projects are identified as either priority projects or non-priority projects. The City of Garden Grove, as a Co-Permittee, participates in the implementation of the DAMP, by requiring a Water Quality Management Plan (WQMP).

Impact Analysis

CEQA THRESHOLDS	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact or Does Not Apply
X. HYDROLOGY AND WATER QUALITY: Would the project:				
a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?			X	
b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?			X	
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or through the addition of impervious surfaces, in a manner which would:				
• result in substantial erosion or siltation onsite or offsite;			X	
• substantially increase the rate or amount of surface water runoff in a manner which would result in flooding on or offsite;			X	
• create or contribute to runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or			X	
• impede or redirect flood flows?				X
d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?				X

CEQA THRESHOLDS	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact or Does Not Apply
e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?			X	

Discussion

a) Violate any water quality standards or waste discharge requirements, or otherwise substantially degrade surface or ground water quality?

Less Than Significant Impact.

Construction Impacts

Construction-related runoff pollutants are typically generated from waste and hazardous materials handling or storage areas, outdoor work areas, material storage areas, and general maintenance areas (e.g., vehicle or equipment fueling and maintenance, including washing). Construction projects that disturb one acre or more of soil, including the Proposed Project, are regulated under the Construction General Permit (CGP, Order No. 2022-0057-DWQ) issued by the State Water Resources Control Board (SWRCB). Projects obtain coverage under the CGP by developing and implementing a stormwater prevention pollution plan (SWPPP), estimating sediment risk from construction activities to receiving waters, and specifying best management practices that would be implemented as a part of the Proposed Project's construction phase to minimize pollution of stormwater prior to and during grading and construction.

The Property Owner/Developer and its construction contractor would be required to prepare and implement a SWPPP and associated BMPs in compliance with the CGP during grading and construction. The SWPPP would specify BMPs that would be implemented for the Proposed Project to protect the water quality of receiving waters. Other construction BMPs that may be incorporated into the Proposed Project's SWPPP and implemented during the construction phase include but are not limited to:

- Installation of perimeter silt fences and perimeter sandbags and/or gravel bags
- Stabilized construction exits with rumble strip(s)/plate(s)
- Installation of storm drain inlet protection on affected roadways

- Installation of silt fences around stockpile and covering of stockpiles
- Stabilization of disturbed areas where construction ceases for a determined period of time (e.g., one week) with erosion controls
- Installation of temporary sanitary facilities and dumpsters

Adherence to the BMPs in the SWPPP would reduce, prevent, minimize, and/or treat pollutants and prevent degradation of downstream receiving waters; reduce or avoid contamination of urban runoff with sediment; and reduce or avoid contamination with other pollutants such as trash and debris, oil, grease, fuels, and other toxic chemicals.

Therefore, with implementation of the BMPs in the required SWPPP, water quality or waste-discharge impacts from Project-related grading and construction activities would be less than significant, and no mitigation would be required.

Operations Impacts

The PWQMP (**Appendix E**) identifies stormwater management for post construction building operations. It incorporates low-impact development (LID) BMPs to reduce the quantity of rainfall runoff and improve the quality of water that leaves the Project Site. As described in the WQMP, non-structural source control BMPs for the Proposed Project include:

- Education for Property Owners, Tenants and Occupants
- Activity Restrictions – activity and use restrictions will be developed and enforced by the HOA through Covenants, Conditions, and Restrictions (CC&Rs)
- Common Area Landscape Management
- BMP maintenance
- Common Area Litter Control
- Common Area Catch Basin inspection
- Street Sweeping Private Streets and Parking Lots

Structural Source Control BMPs for the Proposed Project include:

- Provide storm drain system stenciling and signage
- Design and construct trash and waste storage areas to reduce pollution introduction
- Use efficient irrigation systems & landscape design, water conservation, smart controllers, and source control

Therefore, with implementation of the BMPs in the WQMP and compliance with NPDES MS4 permit requirements, potential impacts associated with water quality and waste-discharge impacts would be less than significant, and no mitigation would be required.

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

Less Than Significant Impact. The City of Garden Grove receives its water through a combination of local groundwater from wells and groundwater storage and supplemental imported water obtained from its regional wholesaler, the Municipal Water District of Orange County. According to the City's Urban Water Management Plan (UWMP), in fiscal year 2019-20, the City relied on approximately 50% groundwater and 50% imported water. It is projected that by 2045, the water portfolio will shift to 85% groundwater and 15% imported water [9]. The UWMP states that the City can purchase more MET water through MWDOC, should the need arise.

The existing Project Site is completely paved. Under current conditions, 96.8% of the site is impervious. The site currently drains a portion of the runoff to the north onto Santa Catalina Avenue as sheet flow into a street edge gutter. A portion of runoff to the south sheet flows onto Santa Barbara Avenue into a street edge gutter. A portion of runoff to the west of the alley sheet flows into a 6-foot-wide gutter running along the center of the alley. Drainage flows south to an existing catch basin and concrete channel, approximately 2,000 feet away.

The Proposed Project would be required to connect to the City's municipal water system. The best connection point for the future water system associated with the Project would be along Santa Barbara Ave, as this is the closest water line to the proposed improvements. It is anticipated that a public water meter will be required to be installed at the right-of-way. Water lines would be installed within the drive aisles with private water meters installed at each unit.

Proposed drainage is expected to keep a similar drainage pattern, the best drainage would likely be to keep runoff above ground as much as possible by utilizing the interior streets to convey runoff towards the proposed driveways and emergency vehicle access on the perimeter of the Project. Under proposed conditions, 76.8% of the site will be impervious and all runoff will be captured onsite and sent to interior streets and into the project and city drainage system. The Proposed Project could thus improve groundwater recharge.

Future residential structures would be developed in compliance with the California Green Building Code, which implements water efficiency standards for appliances and fixtures, and would constitute a minor portion of the total water

[9] *City of Garden Grove 2020 Urban Water Management Plan.* Microsoft Word - Garden Grove 2020 UWMP FINAL DRAFT-2021.06.09 (ggcity.org). Accessed on July 31, 2024.

used in the City. According to the Garden Grove 2020 Urban Water Management Plan, total potable and non-potable water demand is projected to increase 3.7 percent between 2020 and 2045. However, single- and multi-family residential usage is expected to decrease in this timeframe. Total potable and non-potable water demand for the City is projected to be 22,792 AF in 2045. Of the 22,792 AF, 4,613 AF is projected to be demanded by multi-family residential projects. The LID BMPs described above in Section a) would retain most stormwater runoff generated onsite and allow it to percolate through the soil and add to the volume of the aquifer.

The Proposed Project would not interfere with groundwater recharge and would beneficially retain water to ensure more groundwater recharge. Therefore, potential impacts associated with groundwater supplies or groundwater recharge would be less than significant, and no mitigation would be required.

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

- *result in substantial erosion or siltation onsite or offsite;*

Less Than Significant Impact. Grading activities during construction of the Proposed Project may result in wind driven soil erosion and loss of topsoil. However, all construction and grading activities would comply with City's grading ordinance using BMPs, including the use of fiber rolls, street sweeping, sandbag barriers, straw bale barriers, and storm drain inlet protection. Upon project completion, the Project Site would be developed with a 26-unit residential community, paved surfaces, and landscaping, which would prevent substantial erosion from occurring. Therefore, potential impacts from erosion would be less than significant and no mitigation would be required.

- *substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site?*

Less Than Significant Impact. The Proposed Project would not involve an alteration of the course of a stream or river. The PWQMP concludes the post-construction drainage pattern would remain similar as the preconstruction drainage pattern, and on-site runoff would not exceed that of the existing condition. The onsite residential development will consist of sheet flow drainage in drive aisles which flow to gutters and then to onsite catch basins. Other drainage includes area drain inlets in landscape areas. All drainage that is captured by the catch basins and area drains will flow in underground storm drainpipes to a proprietary biotreatment system that will treat the water. Runoff will then be pumped to a curb core drain which flows to the public street.

The Proposed Project would not increase the runoff from the site as the existing site is 96.8% impervious while the Proposed Project includes landscape areas that

decrease the impervious site area to 76.8%. Therefore, the Proposed Project would not increase the runoff from the Project Site because all onsite runoff will be captured and will then be directed toward the proposed drainage system for water quality treatment. The drainage system ensures that the capacity of the City's storm drain system is not exceeded by the development of the Proposed Project.

- *create or contribute to runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or*

Less Than Significant. The Proposed Project would not substantially alter the existing drainage pattern of the Project Site, and would result in decreased flow rates from the existing condition due to the reduction in impervious surfaces from 96.8% to 76.8% of the Project Site. The underground infiltration/detention system would be designed to temporarily store and infiltrate runoff, primarily from rooftops and other impervious areas. The subsurface infiltration galleries would be used to treat stormwater runoff for water quality purposes. Non-structural BMPs such as activity restrictions, street sweeping, and common area landscape maintenance and litter control would also contribute towards runoff control and water quality protection. In addition, the Property Owner/Developer would be required to comply with the NPDES permit requirements to reduce any potential water quality impacts.

The reduced discharges from Project Site post-development would effectively improve the drainage characteristics of the Project Site and drainage would follow existing conditions. Therefore, runoff would not exceed the capacity of the drainage system. The Project would not provide additional sources of polluted runoff. Impacts related to runoff would be less than significant, and no mitigation would be required.

- *impede or redirect flood flows?*

No Impact. The Project Site is in Flood Zone X, outside of the 100-year floodplain (FEMA Map 06059C0116J, effective date December 3, 2009). Therefore, no impacts associated with impeding or redirecting flood flows would occur, and no mitigation would be required.

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

No Impact. The Project Site is in Flood Hazard Zone X, outside of the 100-year floodplain (FEMA Map 06059C0116J) and would not impede or redirect flood flows.

The Project Site is inland, more than 10 miles northeast of the Pacific Ocean, and is not subject to tsunami hazards.

Seiches are surface waves created when a body of water is shaken, usually by earthquake activity. Seiches are of concern relative to development near large water bodies and water storage facilities, because inundation from a seiche can occur if the wave overflows a containment wall, such as the wall of a reservoir, water storage tank, dam, or other artificial body of water. The surrounding topography of the Project Site is generally flat and would not be subject to inundation by mudflow.

Therefore, the Project because the Project Site is not in a flood, tsunami, or seiche zone, and there would be no Project impacts as to the risk release of pollutants due to project inundation, and no mitigation is required.

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

Less Than Significant Impact. As previously discussed in section a) above, the Proposed Project's construction contractor would be required to prepare and implement a SWPPP and associated BMPs in compliance with the Conceptual Grading Plan during grading and construction. The SWPPP would specify BMPs that would be implemented for the Proposed Project to protect the water quality of receiving waters (Bolsa Chica Control Channel to Seal Beach). Therefore, the Proposed Project will not interfere with the implementation of a water quality control plan.

The City works cooperatively with the Municipal Water District of Orange County and the Orange County Water District to ensure a safe and reliable water supply (UWMP 2020). Therefore, the Proposed Project will not conflict or obstruct a sustainable groundwater management plan. No aspect of the Proposed Project involves groundwater wells or groundwater pumping.

Therefore, potential impacts associated with the implementation of a water quality control plan or sustainable groundwater management plan would be less than significant, and no mitigation would be required.

Mitigation Measures

No mitigation measures associated with impacts to Hydrology and Water Quality apply to the Proposed Project.

Conclusion

Potential impacts of the Proposed Project associated with Hydrology and Water Quality would be less than significant, and no mitigation would be required.

4.11 Land Use Planning

Environmental Setting

The Project Site has a General Plan land use designation of Low Density Residential and is zoned for R-1. The site comprises 1.73 acres and is currently improved with an ancillary building and overflow asphalt parking for the church. The perimeter of the site is bounded by the Grace Baptist Church to the north, single-family homes to the east, south and west, and multi-family development to the southeast. Current vegetation and landscaping within the site are minimal. The Proposed Project consists of 26 two-story townhomes and associated open parking spaces, community facilities, and landscaping.

Impact Analysis

CEQA THRESHOLDS	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact or Does Not Apply
XI. LAND USE AND PLANNING: Would the project:				
a) Physically divide an established community?				X
b) Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?			X	

Discussion

a) *Would the project physically divide an established community?*

No Impact. The Project Site is currently occupied by an ancillary building to the church and overflow asphalt parking. The perimeter of the site is bounded by the Grace Baptist Church to the north, single-family homes to the east, an alleyway to the west, Santa Barbara Avenue to the south, and multi-family development to the southeast. The Proposed Project consists of a 26-unit residential development with associated open parking spaces, community facilities and landscaping. The Proposed Project is consistent with the residential development to the east, south and west. Therefore, the Proposed Project would not result in any physical division of an established community and no impacts would occur.

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

Less Than Significant Impact. The City of Garden Grove 2030 General Plan Land Use Element map designates the Project Site as Low Density Residential, and the Project Site is zoned R-1. Developing the Project Site with the proposed density would require a General Plan Amendment from Low Density Residential (LDR) to Low Medium Density Residential (LMR) and a zone change from R-1 to R-3. Within the Low Medium Density Residential land use designation, housing density would be permitted up to 21 dwelling units per acre. The Proposed Project would have a density of 15.2 units per acre, thus falling within the allowable density range. The Project would be developed in compliance with the development standards under the proposed R-3 zone. With approval of the GPA and ZC, the Project would not conflict with the adopted General Plan and zoning district. Additionally, the Project would comply with the applicable goals and policies of the 2030 General Plan Land Use Element. For example, the Project supports housing growth within the City and helps the City meet state and regional housing mandates for residential and affordable unit development (see **Table 18** – City of Garden Grove General Plan Goals and Policies Project Consistency). As a result, project impacts on local land use plans, policies, or regulations would be less than significant.

Table 18 – Garden Grove 2030 General Plan Land Use Element Goals and Policies Consistency

Applicable Goal/Policy	Project Consistency
Goal LU-2: Stable, well-maintained residential neighborhoods in Garden Grove.	
Policy LU-2.4: Assure that the type and intensity of land use are consistent with those of the immediate neighborhood.	The Project is primarily surrounded by residential neighborhoods to the east, south, and west and a church use to the north.
Goal LU-3: Higher-density residential development along major thoroughfares and in areas well served by public transit, retail and service businesses, public services, and public gathering places	
LU-IMP-3C: Require attractive side and rear facades and landscaping on multi-family housing and mixed-use structures to improve the streetscape and create a visual transition to lower-density residential areas.	The Project proposes landscaping throughout the perimeter as well as a stucco CMU wall along the northern, southern, and western site boundaries.
Source: City of Garden Grove Land Use Element	

Mitigation Measures

No mitigation measures associated with impacts to Land Use and Planning apply to the Proposed Project.

Conclusion

Potential Impacts of the Proposed Project associated with Land Use and Planning would be less than significant, and no mitigation would be required.

4.12 Mineral Resources

Regulatory Setting

In 1975, the California legislature enacted the Surface Mining and Reclamation Act (SMARA). This act provides for the reclamation of mined lands and directs the State Geologist to classify (identify and map) the non-fuel mineral resources of the state to show where economically significant mineral deposits occur and where they are likely to occur based upon the best available scientific data. Mineral Resource Zones (MRZ) classifications are designed by the State Geologist in accordance with the State Mining and Geology Board (SMGB)'s priority list, as follows:

- MRZ-1 - areas where geologic information indicates no significant mineral deposits are present;
- MRZ-2 - areas that contain identified mineral resources;
- MRZ-3 - areas of undetermined mineral resource significance;
- MRZ-4 - areas of unknown mineral resource potential.

Environmental Setting

The Project Site is located south of Santa Catalina Avenue, north of Santa Barbara Avenue, and east of an alleyway. The Subject Site has a General Plan land use designation of Low Density Residential and is zoned for R-1. The site comprises 1.73 acres and is currently developed with an ancillary building and overflow asphalt parking for the church. The perimeter of the site is bounded by the Grace Baptist Church to the north, single-family homes to the east, south and west, and multi-family development to the southeast. Current vegetation and landscaping within the site are minimal. The Proposed Project consists of 26 two-story townhomes and associated open parking spaces, community facilities, and landscaping.

Impact Analysis

CEQA THRESHOLDS	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact or Does Not Apply
XII. MINERAL RESOURCES: Would the project:				
a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?				X
b) Result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?				X

Discussion

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

No Impact. According to the California Department of Conservation, the Project Site is designated Mineral Resource Zone (MRZ) 3. Areas designated MRZ-3 are defined as areas containing known or inferred mineral occurrences of undetermined mineral resource significance. Areas designated MRZ-2 are where geologic data indicate that significant mineral resources are present. According to the City's General Plan 2030 – Conservation Element, there are no known mineral resources within the City. Therefore, no impact associated with any known mineral resource that would be of value to the region and the residents of the state would occur, and no mitigation would be required.

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

No Impact. The project will not result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan, because no mining operations exist on or in the vicinity of the Project Site. Therefore, no impacts associated with the availability of any locally important mineral resource recovery sites would occur, and no mitigation would be required.

Mitigation Measures

No mitigation measures associated with impacts to Mineral Resources apply to the Proposed Project.

Conclusion

There are no potential impacts of the Proposed Project associated with Mineral Resources, and no mitigation would be required.

4.13 Noise

RK Engineering Group, Inc. prepared a Noise Impact Study to determine potential impacts from noise associated with the development of the Proposed Project as well as provide recommendations, if necessary, to minimize any project noise impacts (**Appendix G** – *Santa Catalina Townhomes Noise Impact Study, City of Garden Grove, California.* RK Engineering, June 7, 2024, revised August 30, 2024).

The nearest noise-sensitive receptors to the Project Site include the following:

- **Northern Receptors**: Existing residential land uses located north of the Project Site's northern boundary, approximately 30 feet north of the centerline of Santa Catalina Avenue. The nearest residential receptors to the north of the site are located approximately 205 feet away.
- **Eastern Receptors**: Existing residential land uses located east of the Project Site's eastern boundary. The nearest residential receptors to the east of the site are located approximately 0 feet east of the Project Site's eastern boundary.
- **Southern Receptors**: Existing residential land uses located south of the Project Site's south and southeastern boundaries, along either side of Bailey Street / Santa Barbara Avenue. The nearest residential receptors to the south of the site are located approximately 0 feet south of the Project Site's southern boundary.
- **Western Receptors**: Existing residential land uses located west of the Project Site's western boundary. The nearest residential receptors to the west of the site are located approximately 20 feet west of the Project Site's western boundary.

Environmental noise is commonly measured in A-weighted decibels (dBA). A decibel (dB) is a unit of sound energy intensity. Sound waves, traveling outward from a source, exert a sound pressure level (commonly called a "sound level") measured in dB. An A-weighted decibel (dBA) is a decibel corrected for the variation in frequency response that duplicates the sensitivity of human ears. Decibels are measured on a logarithmic scale. Generally, a three dBA increase in ambient noise levels represents the threshold at which most people can detect a change in the noise environment; an increase of 10 dBA is perceived as a doubling of loudness.

The FHWA identifies ranges of noise perceptibility as follows:

Changes in Intensity Level, dBA	Changes in Apparent Loudness
1	Not perceptible
3	Barely perceptible change
5	Readily perceptible change
10	Twice (or half) as loud

Source: https://www.fhwa.dot.gov/environment/noise/regulations_and_guidance/polguide/polguide02.cfm

Noise Descriptors: Noise descriptors were created to describe the different time-varying noise levels. The most common used noise descriptors include but are not limited to the following:

- A-Weighted Sound Level: The sound level in decibels as measured on a sound level meter using the A-weighted filter network, which de-emphasizes the very low and very high frequency components of the sound in a manner to the response of the human ear. A numerical method of rating human judgement of loudness.
- Ambient Noise Level: The composite of noise from all sources, near and far. In this context, the ambient noise level constitutes the normal or existing level of environmental noise at a given location.
- Community Noise Equivalent Level (CNEL): The average equivalent A-weighted sound level during a 24-hour day, obtained after addition of five decibels to sound levels in the evening from 7:00 to 10:00 PM and after addition of 10 decibels to sound levels in the night before 7:00 AM and 10:00 PM.
- Decibel (dB): A unit of measure for the amplitude of a sound, equal to 20 times the logarithm to the base 10 of the ratio of the pressure of the sound measured to the reference pressure, which is 20 micro-pascals.
- Equivalent Sound Level (LEQ): The sound level corresponding to a steady noise level over a given sample period with the same amount of acoustic energy as the actual time varying noise level. The energy average noise level during the sample period.
- Percent Noise Levels L(n): The A-weighted sound level exceeded during a certain percentage of the sample time. Example: L10 is the sound level exceeded 10% of the sample time. L50 is the sound level exceeded 50%.

Vibration

Vibration is an oscillatory motion through a solid medium in which the motion's amplitude can be described in terms of displacement, velocity, or amplitude. The peak particle velocity (PPV) or the root mean square (RMS) velocity is usually used to describe vibration amplitudes. PPV is defined as the maximum peak or vibration signal, while RMS is defined as the square root of the average of the squared amplitude of the signal. PPV is typically used for evaluating potential building damage, whereas RMS is typically more suitable for evaluating human response. Typically, ground-borne vibration, generated by man-made activities, attenuates rapidly with distance from the source of vibration. Man-made vibration issues are therefore usually confined to short distances (i.e., 500 feet or less) from the source.

Both construction and operation of development projects can generate ground-borne vibration. In general, demolition of structures preceding construction

generates the highest vibrations. Construction equipment can also generate perceptible vibration during construction activities. Heavy trucks can also generate ground-borne vibrations that vary depending on vehicle type, weights, and pavement conditions.

Ground-borne vibrations consist of rapidly fluctuating motions within the ground that have an average motion of zero. The effects of ground-borne vibrations typically only cause a nuisance to people, but at extreme vibration levels, damage to buildings may occur. Although ground-borne vibration can be felt outdoors, it is typically only an annoyance to people indoors where the associated effects of the shaking of a building can be notable. Ground-borne noise is an effect of ground-borne vibration and only exists indoors since it is produced from noise radiated from the motion of the walls and floors of a room and may also consist of the rattling of windows or dishes on shelves.

Table 19 – *Typical Construction Vibration Levels* shows the project's construction-related vibration analysis at the nearest structures to the project construction area.

Table 19 – Typical Construction Vibration Levels

Equipment	Peak Particle Velocity (PPV) (inches/second) at 25 feet	Approximate Vibration Level (LV) (dVB) at 25 feet
Pile driver (impact)	1.518 (upper range)	112
	0.644 (typical)	104
Pile driver (sonic)	0.734 upper range	105
	0.170 typical	93
Clam shovel drop (slurry wall)	0.202	94
Hydromill (slurry wall)	0.008 in soil	66
	0.017 in rock	75
Vibratory Roller	0.21	94
Hoe Ram	0.089	87
Large bulldozer	0.089	87
Caisson drill	0.089	87
Loaded trucks	0.076	86
Jackhammer	0.035	79
Small bulldozer	0.003	58

Source: Transit Noise and Vibration Impact Assessment Manual, Federal Transit Administration, September 2018.

Regulatory Setting

The Proposed Project will be required to comply with the following regulatory conditions from the Federal Level, State of California, and City of Garden Grove.

Federal Regulations

The U.S. Environmental Protection Agency (EPA) Office of Noise Abatement and Control was originally established to coordinate federal noise control activities. After its inception, EPA's Office of Noise Abatement and Control issued the Federal Noise Control Act of 1972, establishing programs and guidelines to identify and address the effects of noise on public health, welfare, and the environment. In response, the EPA published Information on Levels of Environmental Noise Requisite to Protect Public Health and Welfare with an Adequate Margin of Safety (Levels of Environmental Noise). The Levels of Environmental Noise recommended that the land should not exceed 55 dBA outdoors or 45 dBA indoors to prevent significant activity interference and annoyance in noise-sensitive areas.

In 1981, EPA administrators determined that subjective issues such as noise would be better addressed at lower levels of government. Consequently, in 1982 responsibilities for regulating noise control policies were transferred to State and local governments. However, noise control guidelines and regulations contained in EPA rulings in prior years remain in place by designated Federal agencies, allowing more individualized control for specific issues by designated Federal, State, and local government agencies.

The Federal Transit Administration (FTA) sets standards and criteria for assessing noise impacts related to transit projects based on community reactions to noise. FTA Noise Impact Criteria groups sensitive land uses into the three categories:

- Category 1 – High Sensitivity: Land where quiet is an essential element of its intended purpose. Example land uses include preserved land for serenity and quiet, outdoor amphitheaters and concert pavilions, and national historic landmarks with considerable outdoor use. Recording studios and concert halls are also included in this category.
- Category 2 – Residential: This category is applicable to all residential land use and buildings where people normally sleep, such as hotels and hospitals.
- Category 3 – Institutional: This category is applicable to institutional land uses with primarily daytime and evening use. Example land uses include schools, libraries, theaters, and churches where it is important to avoid interference with such activities as speech, meditation, and concentration on reading material. Places for meditation or study associated with cemeteries, monuments, museums, campgrounds, and recreational facilities are also included in this category.

Most commercial or industrial uses are not considered noise-sensitive because activities within these buildings are generally compatible with higher noise levels. Business can be considered noise-sensitive if low noise levels are an important part of operations, such as sound and motion picture recording studios. Most parks

used primarily for active recreation such as sports complexes and bike or running paths are not considered noise sensitive.

Construction noise is assessed using guidance provided in the Federal Transit Administration (FTA) Guidance Manual. The FTA provides criteria for assessing construction noise impacts based on the potential for adverse community reaction. For residential uses, the daytime noise threshold is 80 dBA Leq averaged over an 8-hour period (Leq (8-hr); and the nighttime noise threshold is 70 dBA Leq (8-hr). For commercial uses, the daytime and nighttime noise threshold is 85 dBA Leq (8-hr) and for industrial uses the daytime and nighttime noise threshold is 90 dBA Leq (8-hr).

FTA has developed impact criteria for acceptable levels of groundborne noise (GBN) and groundborne vibration (GBV). Criteria for ground-borne vibration are expressed in terms of rms velocity levels in VdB, and criteria for ground-borne noise are expressed in terms of A-weighted sound pressure levels in dBA. The threshold for annoyance from groundborne vibration at sensitive receptors for infrequent events is 80 VdB.

The FTA has adopted vibration standards that are used to evaluate potential building damage impacts related to construction activities. The threshold at which there is a risk to "architectural" damage to non-engineered timber and masonry buildings is a peak particle velocity (PPV) of 0.2, at engineered concrete and masonry buildings a PPV of 0.3, and at reinforced-concrete, steel, or timber buildings a PPV of 0.5.

State Regulations

Though not adopted by law, the State of California General Plan Guidelines 2017, published by the California Governor's Office of Planning and Research (OPR) (OPR Guidelines), provides guidance for the compatibility of projects within areas of specific noise exposure. The OPR Guidelines identify the suitability of various types of construction relative to a range of outdoor noise levels and provide each local community some flexibility in setting local noise standards that allow for the variability in community preferences. The OPR Guidelines include a Noise and Land Use Compatibility Matrix which identifies acceptable and unacceptable community noise exposure limits for various land use categories. Where the "normally acceptable" range is used, it is defined as the highest noise level that should be considered for the construction of buildings which do not incorporate any special acoustical treatment or noise mitigation. The "conditionally acceptable" or "normally unacceptable" ranges include conditions calling for detailed acoustical study prior to the construction or operation of the Proposed Project.

The State of California has established noise insulation standards as outlined in Title 24 and the Uniform Building Code (UBC) which in some cases require acoustical

analyses to outline exterior noise levels and to ensure interior noise levels do not exceed the interior threshold.

Noise insulation design standards for residential dwellings are established in the 2022 California Building Code, Title 24, Part 2, Volume 1, Section 1206 Sound Transmission. The City is required by the State Housing Law to adopt these State codes as minimum performance standards. The City may enact stricter noise standards throughout the city or on a case-by-case basis if deemed necessary. In brief, the Title 24 noise standards require the following for allowable interior noise levels:

1. Interior noise levels due to exterior sources must not exceed a community noise equivalent level (CNEL) or a day-night level (LDN) of 45 dBA, in any habitable room.
2. Party wall and floor-ceiling assembly designs must provide a minimum STC of 50, based on lab tests. Field tested assemblies must provide a minimum noise isolation class (NIC) of 45.
3. Floor-ceiling assembly designs must provide for a minimum impact insulation class (IIC) of 50, based on lab tests. Field tested assemblies must provide a minimum FIIC of 45.
4. Penetrations or openings in sound rated assemblies must be treated to maintain required ratings.

<u>City of Garden Grove</u>

The City of Garden Grove outlines its noise regulations and standards within the Municipal Code and General Plan. The Municipal Code compiles with local laws adopted by the City Council related to noise throughout Chapter 8.47 (Noise Control) under Title 8 (Peace, Safety and Morals), discussing noise regulations and ordinances for the City. The Noise Element of the City's General Plan is the guiding document for the City's noise policy and contains various goals with accompanying policies designated to protect residents and businesses from excessive and persistent noise intrusions. The Noise element describes the existing noise environment, goals and policies, as well as Federal, State and City noise regulations which apply to the Proposed Project.

GGMC Section 8.47.050 discusses the general noise regulations of the City, such as noise levels, noise frequency, level and intensity of the noise, the proximity of noise to residential land uses, the duration of noise, and more. GGMC Section 8.47.060 (Special Noise Sources) describes noise restrictions when constructing a building or project, stating that "it shall be unlawful for any person within a residential area, or within a radius of 500 feet therefrom, to operate equipment or perform any outside construction or repair work on buildings, structures, or projects, or to operate any pile driver, power shovel, pneumatic hammer, derrick, power hoist, or any other construction type device between the hours of 10:00 p.m. of one day and 7:00 a.m. of the next day in such a manner that a person of

normal sensitiveness, as determined utilizing the criteria established in

USE CATEGORIES	USE DESIGNATIONS	AMBIENT BASE NOISE LEVELS	TIME OF DAY
Sensitive	Residential Use	55 dB(A) 50 dB(A)	7:00 a.m. - 10:00 p.m. 10:00 p.m. - 7:00 a.m.
Source: GGMC Section 8.47.040			

Section 8.47.050(B), is caused discomfort or annoyance unless such operations are of an emergency nature." Ambient noise levels described in GGMC Section 8.47.040 are shown in **Table 20** below.

Table 20 – City of Garden Grove Ambient Noise Levels

The City of Garden Grove General Plan establishes planning criteria for determining a development's noise/land use compatibility based on the community noise equivalent level (CNEL). CNEL noise levels are typically used to evaluate mobile noise source impacts such as those from roadways.

The City of Garden Grove noise/land use compatibility standards for the uses on and adjacent to the Proposed Project Site are shown in **Table 21**, as stated in the General Plan.

Table 21 – City of Garden Grove Noise/Land Use Compatibility Standards[1]

Land Use Category	Community Noise Exposure[2] (dBA CNEL)			
	Normally Acceptable	Conditionally Acceptable	Normally Unacceptable	Clearly Unacceptable
Residential – Low Density, Single-Family, Duplex, Mobile Homes	50 – 60	55 – 70	70 – 75	75 – 85
Residential – Multiple Family	50 – 65	60 – 70	70 – 75	70 – 85

1 Source: City of Garden Grove General Plan Noise Element, Table 7-1: Noise and Land Use Compatibility Matrix.
2 Notes:

Normally Acceptable: Specified land use is satisfactory, based upon the assumption that any buildings involved are of normal conventional construction, without any special noise insulation requirements.
Conditionally Acceptable: New construction or development should be undertaken only after a detailed analysis of the noise reduction requirements is made and needed noise insulation features included in the design. Conventional construction, but with closed windows and fresh air supply systems or air conditioning, will normally suffice.
Normally Unacceptable: New construction or development should be discouraged. If new construction or development does proceed, a detailed analysis of the noise reduction requirements must be made and needed noise insulation features included in the design.
Clearly Unacceptable: New construction or development should generally not be undertaken.

Recommended Project Design Features

The following recommended design features include several standard rules and requirements, best practices, and building code requirements regarding noise impacts. Design features are assumed to be integrated into the project design and required as part of City standard conditions of approval of the project.

Construction Design Features

DF-1 The project shall comply with City of Garden Grove Municipal Code requirements. All construction will take place during daytime hours (7:00 a.m. to 10:00 p.m.)

DF-2 All construction equipment shall be equipped with mufflers and other suitable noise attenuation devices (e.g., engine shields)

DF-3 Construction-related equipment, including heavy-duty equipment, motor vehicles, and portable equipment, shall be turned off when not in use for more than five (5) minutes.

Operational Design Features

DF-4 All HVAC equipment will be shielded from the line of sight of adjacent properties behind parapet walls and/or ground-level noise barrier walls.

Environmental Setting

The Project Site is located at 5802 Santa Catalina Avenue and is surrounded by the church buildings and their associated parking lot to the north, an alleyway the west, single-family residences to the east, and Santa Barbara Avenue to the south. There are single-family residences beyond the stormwater channel to the west and multi-family and commercial uses beyond Bailey Street/Santa Barbara Avenue to the south.

The State of California defines sensitive receptors as those land uses that require serenity or are otherwise adversely affected by noise events or conditions. Schools, libraries, churches, hospitals, single and multiple-family residential uses, including transient lodging, motels and hotel uses make up the majority of these areas. Sensitive land uses that may be affected by Project noise include the residential uses located along the east and south boundaries of the site.

The Noise Impact Study (**Appendix G**) identified the existing site noise impacts. The project setting is commercial and residential, and the primary environmental noises impacting the Project Site are roadway noise from adjacent streets. The analysis studied sound levels in accordance with Caltrans technical noise specifications. Noise measurements were taken on May 7, 2024, taken at the following noise monitoring locations for a duration of one hour during an afternoon peak hour, nighttime peak hour, and morning peak hour, using Piccolo-II Type 2 integrating-averaging sound level meters.

- **Noise Monitoring Location 1 (L-1)** was taken near the southeast corner of the Project Site, approximately 230 feet south of the centerline of Santa Catalina Avenue.

- **Noise Monitoring Location 2 (L-2)** was taken near the southern boundary of the Project Site, approximately 330 feet south of the centerline of Santa Catalina Avenue.
- **Noise Monitoring Location 3 (L-3)** was taken near the northwest corner of the Project Site, approximately 220 feet south of the centerline of Santa Catalina Avenue.

The existing ambient noise levels at the Project Site range from 56.6 dBA CNEL to 57.7 dBA CNEL. Refer to **Figure 12** – Noise Monitoring Locations, for details on where noise was monitored in relation to the Project Site.

Impact Analysis

CEQA THRESHOLDS	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact or Does Not Apply
XIII.NOISE: Would the project result in:				
a) Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the Project Site in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?			X	
b) Generation of excessive groundborne vibration or groundborne noise levels?			X	
c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels**?**			X	

Discussion

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

Less Than Significant Impact. The Proposed Project would not generate a substantial temporary or permanent increase in ambient noise levels in the vicinity of the Project Site in excess of standards established in the local General Plan or noise ordinance, or applicable standards of other agencies. The following section calculates the potential noise emissions associated with the temporary construction activities and long-term operations of the Proposed Project.

<u>Construction Impacts:</u>

Construction noise is regulated within Title 8, Chapter 8.47 of the City of Garden Grove Municipal Code and the City of Garden Grove General Plan Noise Element (see Regulatory Setting section of Section 4.13).

Accordingly, the Project would result in a significant impact if:

- Project construction occurs between the hours of 10:00 PM and 7:00 AM or on Sunday; or
- Project construction noise exceeds the threshold of 90 dBA.

Project construction noise levels at nearby sensitive receptors were calculated using the FTA methodology, as shown in **Table 22** – Project Construction Noise Levels at 145 Feet. The FTA provides criteria for assessing construction noise impacts based on the potential for adverse community reaction. For residential uses, the daytime noise threshold is 90 dBA Leq for a 1-hour period. The FTA General Assessment recommends the noise threshold of 90 dBA Leq to assess construction noise impacts for residential receptors. **Table 22** shows the expected noise impacts during all phases of construction, including demolition, site preparation, grading, building construction, paving, and architectural coating. It is noted that the construction is not expected to generate noise levels which exceed the Federal Transit Administration General Assessment construction noise threshold of 90 dBA. Noise levels were projected from the center of potential construction activities to the closest property line, at a distance of approximately 145 feet. While some construction activity may occur closer than 145 feet from the nearest property line, noise levels are based on an average distance from the center of the site per FTA General Assessment recommendations.

In compliance with the City's Municipal Code, Project construction will not occur outside the hours outlined in Title 8, Chapter 8.47 of the City of Garden Grove Municipal Code nor will Project construction exceed the construction noise threshold. Therefore, the project would not exceed City-established standards relating to construction noise. The Project impact is less than significant, and no mitigation is required.

Notwithstanding, recommended design features (DFs) are provided in the Regulatory Setting section above and should be added to project plans and in contract specifications to minimize construction noise emanating from the Proposed Project. The project is expected to generate a temporary maximum noise level of 81.4 dBA. Based on the above table, the project's construction-related noise levels will not exceed the FTA General Assessment Construction Noise Criteria threshold. Therefore, the project's impact from short-term construction-related noise would be less than significant.

Table 22 – Project Construction Noise Levels at 145 Feet

Phase	Equipment	Quantity	Equipment Noise Level at 145 ft (dBA Leq)	Combined Noise Level (dBA Leq)
Demolition	Concrete/Industrial Saws	1	80.4	81.4
	Tractors/Loaders/Backhoes	1	74.8	
Site Preparation	Graders	1	75.8	78.3
	Tractors/Loaders/Backhoes	1	74.8	
Grading	Graders	1	75.8	78.3
	Tractors/Loaders/Backhoes	1	74.8	
Building Construction	Cranes	1	71.4	74.4
	Generator Sets	1	71.4	
Paving	Cement and Mortar Mixer	1	69.6	71.8
	Pavers	1	68.0	
Architectural Coating	Air Compressors	1	68.5	68.5
Worst Case Construction Phase Noise Level (dBA Leq)				81.4
FTA Daytime General Assessment Construction Noise Criteria (dBA Leq)[1, 2]				**90.0**
Noise level exceeds FTA criteria?				No

Notes:
1. Source: *Transit Noise and Vibration Impact Assessment Manual, Section 7 Noise and Vibration During Construction*, by the Federal Transit Administration.
2. Per FTA General Assessment methodology, noise impacts are assessed based on the average construction noise levels over a period of one hour. Hence, the one-hour residential daytime threshold of 90.0 dBA Leq is utilized.

Operations Impacts:

Project operation will not include significant sources of stationary noise. The main sources of potential on-site noise would include motor vehicle activity, and HVAC equipment.

These types of on-site stationary noises would not typically be categorized as loud, unnecessary, or unusual noise that disturbs the peace or quiet of any neighborhood, or that causes discomfort or annoyance to any person of normal sensitiveness. In particular, social activities and vehicle-related noise are generally substantially less intense during the noise sensitive nighttime hours. Furthermore, as determined by the State of California Supreme Court, so-called "social noise" (i.e., noise created by human voices) is not an environmental impact required by CEQA to be analyzed for residential projects (*Make UC a Good Neighbor v. the Regents of the University of California*, June 2024).

To ensure on-site noise levels remain within the City of Garden Grove's standards, a stationary noise impact analysis has been prepared. The analysis assumes that all noise sources would operate continuously during both daytime hours (7:00 a.m. to 10:00 p.m.) and nighttime hours (10:00 p.m. to 7:00 a.m.). Additionally, the analysis included a dog run area that has since been removed from the Project. The result is a worst-case assessment of impacts, considering that HVAC unit operation and dog run activity would likely occur intermittently. Although it is anticipated that the dog park will operate only during daytime hours, for a conservative analysis and informational purposes, the study examined potential dog park activity during both daytime and nighttime hours. However, the Project no longer proposes a dog park.

Surrounding properties are the church building and associated parking to the north, single-family residences to the east, Santa Barbara Avenue and multi-family residences and commercial uses beyond Santa Barbara Avenue to the south, and an alleyway and single-family residences beyond the alleyway to the west. Accordingly, the Project will result in a significant impact if operation noises exceed a nighttime Leq of 50 dBA or a daytime Leq of 55 dBA. According to Municipal Code § 8.47.050(C), noise levels must not exceed the daytime base ambient noise level of 55.0 dBA Leq by 20 dBA at any time. As a result, a threshold of 75.0 dBA Lmax is used to evaluate the Project's maximum daytime noise levels and 70.0 dBA is Lmax is used to evaluate the Project's maximum nighttime noise levels.

The noise impact study concluded that daytime stationary noise levels would be 45.1 dBA Lmax at the western receptors and 68.9 dbA Lmax at the eastern receptors. As shown on Tables 7 and 8 of the Noise Impact Study, noise levels generated by the Project are not expected to exceed the City's noise standards at any off-site sensitive receptor location. Therefore, the project impact from operational stationary noise will be less than significant.

<u>Mobile Source Impacts:</u>

The main source of roadway noise in the vicinity of the project site is activity along the adjacent local streets, including Santa Catalina Avenue and Santa Barbara Avenue. Per the City's General Plan Circulation Element, local streets can accommodate approximately 2,500 vehicles per day.

Per the *Santa Catalina Townhomes Residential Project Trip Generation & Vehicle Miles Traveled (VMT) Screening Analysis, City of Garden Grove* (Trip Generation and VMT Study), prepared by RK Engineering, the Project is expected to generate approximately 187 gross daily trips. However, the existing Church will remain in operation on the adjacent parcel and will continue to operate without the Look Who's Learning Preschool. Although the preschool recently ceased operations

and is currently not generating any traffic, it is still appropriate to take an existing trip credit as part of the project's proposed trip generation forecast since conditions have fluctuated over time and these trips had historically occurred at the site (CEQA Guidelines § 15125(a)(1)). As previously discussed, the Proposed Project will be constructed where part of the preschool once operated. As a result, an existing trip credit reduction of 82 daily trips attributable to the preschool has been applied to the Proposed Project trip generation. Therefore, the project is expected to generate 105 net daily trips.

Per California Department of Transportation (Caltrans) guidance, a doubling of traffic volume along a roadway would typically be required to increase ambient noise levels by 3 dBA or more[10]. An increase in noise levels by 3 dBA or more is an industry standard threshold of significance and is generally considered the point at which the human ear will perceive a change in noise level[11].

Per the City's General Plan Circulation element, local streets, such as Santa Catalina Avenue and Santa Barbara Avenue, can accommodate approximately 2,500 vehicles per day. Based on the roadway capacities of the adjacent local streets, the 105 net daily trips generated by the proposed project will not double the amount of traffic along the adjacent streets, and the potential increase in noise from the project would be less than 3 dBA. Therefore, the increase in roadway noise levels as a result of the project will be less than significant.

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

Less Than Significant Impact. The Noise Impact Study (**Appendix G**) by RK Engineering analyzed the potential vibration levels. The degree of construction noise and vibration will vary depending on the type of construction activity taking place. During the construction period, construction contractors will be required to comply with the City of Garden Grove Municipal Code Section 8.47.060(D), which states that it shall be unlawful for any person within a residential area, or within a radius of 500 feet therefrom, to operate equipment or perform any outside construction or repair work on buildings, structures, or projects, or to operate any pile driver, power shovel, pneumatic hammer, derrick, power hoist,

[10] Source: Technical Noise Supplement to the Traffic Noise Analysis Protocol, California Department of Transportation (Caltrans), September 2013.

[11] Source: Technical Noise Analysis Protocol for New Highway Construction, Reconstruction, and Retrofit Barrier Projects, California Department of Transportation (Caltrans), April 2020.

or any other construction type device between the hours of 10:00 p.m. of one day and 7:00 a.m. of the next day in such a manner that a person of normal sensitiveness, as determined utilizing the criteria established in Section 8.47.050(B), is caused discomfort or annoyance unless such operations are of an emergency nature.

In compliance with the Municipal Code, no construction activity will occur outside of daytime hours (7:00 a.m. to 10:00 p.m.). The proposed project's potential construction noise impacts have been evaluated utilizing criteria provided by the Federal Transit Administration (FTA) Transit Noise and Vibration Impact Assessment Manual. The following construction vibration assessment is based on the methodology set forth within the *Caltrans Transportation and Construction Induced Vibration Guidance Manual*. The vibration impacts from heavy truck loading and bulldozer activity are analyzed. Construction vibration impacts are compared with the vibration thresholds established by the *Caltrans Transportation and Construction Induced Vibration Guidance Manual.* The vibration thresholds for damage potential are provided below in **Table 23**.

Table 23 - Vibration Damage Potential Threshold Criteria

Structure and Condition	Maximum PVV (in/sec)	
	Transient Sources	Continuous/Frequent Intermittent Sources
Extremely fragile historic buildings, ruins, ancient monuments	0.12	0.08
Fragile buildings	0.2	0.1
Historic and some old buildings	0.5	0.25
Older residential structures	0.5	0.3
New residential structures	1.0	0.5
Modern industrial/commercial buildings	2.0	0.5

The structures surrounding the project site are considered "older structures", built during the mid-20th Century. No historical or fragile buildings are known to be located within the vicinity of the site. Therefore, for the purposes of this analysis, the Caltrans vibration damage potential threshold of 0.30 PPV (inches per second) for "Older residential structures" is used to ensure that the proposed project will not result in a significant vibration impact.

As shown below in **Table 24**, worst-case vibration levels resulting from Project construction will be below the vibration damage potential threshold of 0.30 PPV (inches per second) and would not be expected to cause damage to any of the

surrounding residential homes. Therefore, the construction vibration impact is less than significant.

Table 24 – Construction Vibration Impact Analysis

Construction Activity	Distance to Nearest Structure (ft)	Duration	Calculated Vibration Level - PPV (in/sec)
Large Bulldozer	10	Continuous/Frequent	0.244
Loaded Trucks	10	Continuous/Frequent	0.208
Vibratory Rollers	20	Continuous/Frequent	0.268
Worst Case Construction Vibration Level			**0.268**
Vibration Damage Potential Threshold[1]			0.300
Vibration level exceeds threshold?			No

[1] Source: Caltrans Transportation and Construction Vibration Guidance Manual (April 2020) vibration damage potential threshold for "older residential structures".

Operational Vibration Impacts

The Project proposes to construct twenty-six (26) two-story residential townhomes on the future residential parcel which contains razing an existing ancillary building that is part of the Look Who's Learning Preschool. The existing Church will remain in operation on the adjacent parcel and will continue to operate without the Look Who's Learning Preschool.

The Proposed Project will provide 52 spaces via private garages and 28 spaces via onsite open parking. In addition, the Project proposes to include an amenity area with a yoga lawn, seating, and outdoor workout equipment. A six-foot-tall concrete masonry unit (CMU) wall will be constructed along the northern, western, and southern boundaries of the project site.

The proposed land use is not anticipated to involve significant vibration-inducing activities such as blasting operations. The primary source of groundborne vibration from the project would be roadway activity on adjacent streets. According to the Federal Transit Administration (FTA) Transit Noise and Vibration Impact Assessment Manual, traffic-induced vibration is rarely perceptible to humans. Additionally, as noted in Section 4.17, the Project is not expected to generate a substantial number of vehicle trips.

Therefore, it is assumed that the project would not cause a perceptible increase in vibration, and the impact related to operational vibration would be less than significant.

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

Less Than Significant Impact. The Joint Forces Training Base – Los Alamitos, located in Los Alamitos, California, is the nearest airport to the Proposed Project Site, approximately 0.5 miles away. According to the noise contour map for the base (**Figure 13** – Los Alamitos Airport Army Airfield (LAAAF) Aircraft A-Weighted Day-Night Average Sound Level (ADNL) Noise Zone Map), the Project Site is situated outside the 60-65 dBA Ldn contour. This indicates that the noise levels at the Project Site resulting from airport activity will be less than 60-65 dBA. The City of Garden Grove General Plan classifies noise environments of 60-65 dBA Ldn as "Conditionally Acceptable" for the proposed residential land use.

Furthermore, the Proposed Project is not expected to expose people residing or working in the project area to excessive noise levels. Therefore, the Project's noise impact on airport-adjacent land uses will be less than significant.

Mitigation Measures:

No mitigation measures associated with impacts to Noise apply to the Proposed Project.

Conclusion

Potential impacts of the Proposed Project associated with Noise would be less than significant, and no mitigation would be required.

Figure 12: Noise Monitoring Locations
Source: *Noise Impact Analysis, RK Engineering*

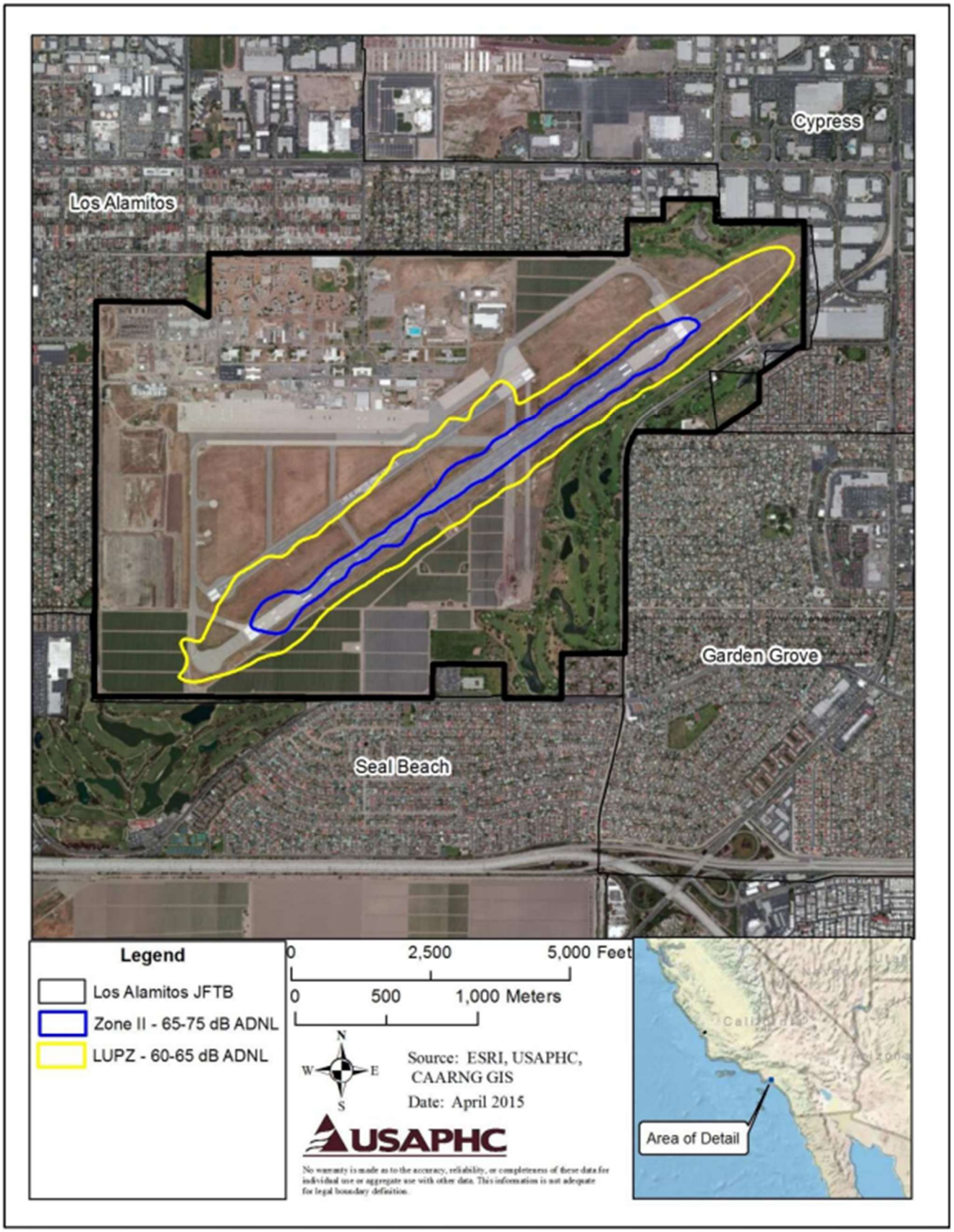


Figure 13: LAAAF Aircraft ADNL Noise Zone
Source: ESRI, USAPHC, CAARNG GIS

4.14 Population and Housing

Environmental Setting

The Proposed Project Site has a total site area of 1.73 acres and is located at 5802 Santa Catalina Ave (APN 224-212-01). The site is currently developed with an ancillary building and overflow asphalt parking for the church. The Project Site has a General Plan land use designation of Low Density Residential and is zoned for R-1. The Proposed Project includes a General Plan Amendment from Low Density Residential (LDR) to Low Medium Density Residential (LMR) and a zone change from R-1 to R-3 to permit the development of 26-unit residential townhomes, or a maximum of 32 du/ac. The Project proposes a density of 15.2 du/ac.

Census data in 2023 identified the population of the City of Garden Grove as 168,234 persons in 48,183 households, averaging 3.51 persons per household[12]. With an additional 26 dwelling units proposed, this would result in approximately 92 additional residents to the City of Garden Grove.

[12] United States Census QuickFacts, https://www.census.gov/quickfacts/fact/table/gardengrovecitycalifornia,US/PST045223. Accessed June 13, 2024.

Impact Analysis

CEQA THRESHOLDS	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact or Does Not Apply
XIV. POPULATION AND HOUSING: Would the project:				
a) Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?			X	
b) Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?				X

Discussion

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

Less Than Significant Impact. The Proposed Project would involve the demolition of a portion of the improvements on the existing parcel, which includes an existing storage structure located towards the southwest center of the existing parcel, restriping of the existing parking lot, and all other associated improvements south of the storage structure, and the construction of a 26-unit new residential development, open parking spaces, community facilities and associated landscaping. The proposed residential development would include 2-story townhomes (ranging from 1,223 SF to 1,745 SF) with 2- to 4-bedroom floor plans, private 2-car garages, patios, and 28 onsite open parking spaces. The project would have a residential density of 15.2 du/ac. The development of the 26 units is expected to result in approximately 92 more residents within the City with the average household consisting of 3.51 persons, according to 2023 census data. The data estimates the total population of Garden Grove to be 168,234 persons, in which the additional 92 residents anticipated from the project would account for approximately 0.05% of the city population. The city estimates the population in 2045 to be roughly 185,800 persons, increasing by a total of 17,566 persons in the next 21 years (SCAG 2020). The Proposed Project residential growth would account for less than 0.5% of this growth.

Due to the minor nature of the population growth that could result from the Proposed Project and because growth falls within the projected population increase, population growth from the Project would not be substantial. Jobs created from the construction would be short-term and would not increase the City's job base permanently. The temporary construction crew and long-term residents of the Project would not create a significant change in demand for goods and services that may include business investment, growth, or development in the area.

Therefore, the Project would have a less than significant impact regarding introducing substantial unplanned population growth in the area, either directly or indirectly.

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

No Impact. The Project Site is currently underutilized with the Church's overflow parking lot being unoccupied. No residential units are located on the site that would be displaced by the demolition of the existing improvements. Conversely, the project would result in the development of 26 new residential units. Therefore, no impact would occur regarding the displacement of existing people or housing, and no mitigation would be required.

Mitigation Measures

No mitigation measures associated with impacts to Population and Housing apply to the Proposed Project.

Conclusion

Potential impacts of the Proposed Project associated with Population and Housing would be less than significant, and no mitigation would be required.

4.15 Public Services

Environmental Setting

Fire services are provided by contract with the Orange County Fire Authority (OCFA). Police protection services within the City limits are provided by the Garden Grove Police Department. The Garden Grove Unified School District provides school services within the vicinity of the Project Site. Recreation services are provided by the City of Garden Grove. Library services are provided by OC Public Libraries.

Impact Analysis

CEQA THRESHOLDS	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact or Does Not Apply
XV. PUBLIC SERVICES: a) Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:				
Fire protection?			X	
Police protection?			X	
Schools?			X	
Recreation/Parks?			X	
Other public facilities?			X	

Discussion

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

<u>Fire Protection</u>

Less Than Significant Impact. The City of Garden Grove is served through an agreement with the Orange County Fire Authority. The Orange County Fire Authority serves 23 cities in Orange County and all unincorporated areas. OCFA contains 78 fire stations throughout Orange County, and seven of which serve Garden Grove in Division 1. Station 84 is located at 12191 Valley View Street and

is 0.6 miles from the Project Site. The next closest station is Station 65 located at 12751 Western Avenue and is 2.8 miles from the Project Site.

Station 84 would serve as the primary first response to calls of service from the Project Site. The station has daily staffing of the Division Chief, the Administration Captain, 1 Fire Captain, 1 Fire Apparatus Engineer, and 2 Firefighters. OCFA response times for engines to arrive on scene after an emergency has been called are between 5 to 7 minutes.

The construction of the new residential townhomes may increase the number of fire or emergency service calls. The City's General Plan does not provide service ratios for fire protection services. However, the Project's 26 units could increase the City's overall population by a small percentage (approximately 0.05 percent). Considering the proposed usage for residential buildings and existing fire resources available at the Orange County Fire Authority, adverse impacts on OCFA services are not expected to occur. The increase in fire service demand generated by the Proposed Project would not require the construction of a new fire station or improvements to any of the fire stations served by OCFA. Additionally, the Project would generate revenue in the form of taxes that could address costs associated with potential demands for fire services.

The applicant would be required to submit building plans that comply with the most current California building codes to ensure the Proposed Project is developed in compliance with all applicable Building and Fire safety requirements. Additionally, the applicant will be required to pay the appropriate impact fees in effect at the time building permits are issued to offset any potential impact to fire facilities. Payment of impact fees would offset the nominal incremental increase in demand for fire protection services and would not result in the need for new or physically altered fire protection facilities. Therefore, potential impacts associated with fire protection would be less than significant, and no mitigation would be required.

<u>Police Protection</u>

Less Than Significant Impact. Police protection services for the City of Garden Grove, including the Project Site, are provided by the Garden Grove Police Department (GGPD), and located at 11301 Acacia Pkwy. The Garden Grove Police Department is a nationally accredited law enforcement agency consisting of 172 sworn police officers.

The Proposed Project would generate a demand for police protection services during construction and operation of the Proposed Project once the proposed dwelling units are occupied. The primary response to the Project Site would be by patrol vehicles that are assigned by districts throughout the City. Although response time to service calls may vary depending upon their location at the time of dispatch and the priority of the emergency, the City's average response time

as of 2016 was under five minutes for priority calls for service. Although the City's General Plan does not provide service ratios for police services, the nominal population increase of 0.05 percent created by the Project is not expected to impact police service ratios or response times.

The incremental demand of the Project for police protection services is not anticipated to increase GGPD response times to the Project Site or surrounding area. The increase in demand for police protection services over the existing uses is also not anticipated to generate the need for new sworn officers, nor would it require construction of new or physically altered police protection facilities to maintain an adequate level of service to the Project Site and surrounding areas. The Applicant would be required to pay development impact fees at the time building permits are issued to offset any potential impact to police facilities. Development of the Project Site would not result in the need for new or physically altered police protection facilities. Therefore, potential impacts associated with police protection would be less than significant, and no mitigation would be required.

Schools

Less Than Significant Impact. According to the California School Board, the average number of students generated per dwelling unit is 0.7 students (California Department of General Services, 2009). Therefore, this project could result in approximately 19 new students. Elementary students are zoned to attend Patton Elementary School, roughly 1.4 miles from the Project Site. Middle School students are zoned to attend Hilton D. Bell Intermediate School, roughly 1.3 miles from the Project Site located at 12345 Springdale Street. Lastly, high school students would attend Pacifica High School, roughly 1.8 miles from the Project Site located at 6851 Lampson Avenue. Although the Proposed Project may involve an increase in the student enrollment, the increase in students would be minor and spread out between the three schools (elementary, middle, and high school). The designated school districts also contain many other schools that provide options for families with students residing at the Project Site. The Proposed Project would be subject to Senate Bill 50, which requires the payment of mandatory impact fees to offset any potential impact to school facilities. The Applicant would be required to pay its fair share of school fees in accordance with SB 50 based on the number of proposed dwelling units and square footage to offset the potential impact to school services. Therefore, potential impacts associated with schools would be less than significant, and no mitigation would be required.

Recreational/Parks

Less Than Significant Impact. The Project Site is served by the City of Garden Grove Community Service Department, which offers a wide variety of recreation to city residents. The City of Garden Grove currently has approximately 157.1 acres of parkland and has 19 recreation parks available for residents and visitors to enjoy,

ranging from 40 acres to 0.3 acres and equipped with different elements and amenities. Facilities at the park and recreation facilities include children's play areas, badminton, tennis, volleyball, handball and basketball courts, swimming pools, hockey, arena soccer and more. The Eastgate Park, located just 0.4 miles from the site south on St Mark Street, is the closest park to the Project Site and offers 4.5 acres of amenities, including a Swimming pool, 2 basketball courts, children's play area, City of Garden Grove teen center, picnic areas, and restrooms. The next closest park to the Project Site is Edgar Park, located 1.4 miles from the site. The park consists of 6 acres of park area and contains similar amenities mentioned above, including soccer, baseball, and handball courts and horseshoe pits. The population increase from the Proposed Project relies on the assumption that each dwelling unit would contain 3.51 people (Garden Grove average household size), increasing the population by approximately 92 people within 26 dwelling units. This approximate population growth would increase the demand and use of existing parks and recreation facilities but with the plentiful amounts of facilities offered by the city, the Proposed Project is not expected to place significant impacts or result in the need for new or expanded facilities.

The Project would also incorporate community outdoor areas for use on site (e.g., patios and common open space), which could reduce the demands on nearby parks. Garden Grove Municipal Code Section 9.44.030 states "Where there is no public park or recreation facility required or provided within or for the proposed subdivision, or where the subdivision contains 50 lots or fewer, the subdivider shall pay a fee in lieu of land dedication reflecting the value of land required for park and recreation purposes in accordance with the schedule of fees as adopted by Resolution of the City Council". The Project Applicant would be required to pay in-lieu fees for improvements to existing City parks and recreation facilities. Therefore, potential impacts associated with park facilities would be less than significant, and no mitigation would be required.

Other Public Facilities

Less Than Significant Impact. Other public facilities and services provided within the City of Garden Grove include library facilities, human services, and meeting and banquet facilities. Due to the insubstantial population growth associated with the Proposed Project would not require expansion of the existing library, human services, meeting and banquet facilities or other public service facilities or construction of new facilities, making the impacts to other public facilities less than significant and no mitigation measures would be required.

Mitigation Measures

No mitigation measures associated with impacts to Public Services apply to the Proposed Project.

Conclusion

Potential impacts of the Proposed Project associated with Public Services would be less than significant, and no mitigation would be required.

4.16 Recreation

The City of Garden Grove provides recreational services throughout the City. The City currently has approximately 157.1 acres of parkland and 19 recreational parks available for residents and visitors to enjoy, ranging from 40-acres to 0.3-acres and ranging in amenities and facilities available. Surrounding cities also provide public parks and recreation facilities that are located less than one mile from the Project Site.

Impact Analysis

CEQA THRESHOLDS	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact or Does Not Apply
XVI. RECREATION:				
a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?			X	
b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?			X	

Discussion

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

Less Than Significant Impact. Impacts on parks and recreation facilities are typically analyzed based on increases in permanent residents from residential development projects. The Proposed Project would construct 26 new residential dwelling units consisting of two-story townhomes, resulting in 92 new residents. Community residents would have access to on-site common recreational amenities including BBQs, shaded outdoor seating, and a small yoga and workout area, in addition to private patios.

In addition to the private common recreation amenities serving the Proposed Project, future residents would also have access to the public parks located within

a close distance to the site. The Eastgate Park, located just 0.4 miles from the site south on St Mark Street, is the closest park to the Project Site and offers 4.5 acres of amenities, including a swimming pool, two basketball courts, children's play area, teen center, picnic areas, and restrooms. The next closest park to the Project Site is Edgar Park, located 1.4 miles from the site. The park consists of six acres of park area and contains similar amenities mentioned above, including soccer, baseball, and handball courts and horseshoe pits.

With ample amounts of parks in Garden Grove as well as within close proximity to the Project Site, the Proposed Project would not increase the use of any existing park or recreational facilities such that substantial physical deterioration of any existing park facilities would occur. Furthermore, indirect impacts to park and recreation facilities will be offset through payment of the applicable Recreational Facilities development impact fees. Therefore, with payment of these fees and the Proposed Project's open common areas, potential impacts associated with parks and other public recreational facilities would be less than significant, and no mitigation would be required.

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

Less Than Significant Impact. This project does not include construction of any public recreational facilities or require the construction or expansion of recreational facilities that might have an adverse physical effect on the environment. The Project Site is served by the City of Graden Grove Community Services Department and its parks and recreation facilities. The City offers a wide variety of recreation, sports, cultural activities, senior programs, services and events for all age groups. According to the Garden Grove 2030 General Plan Parks, Recreation, and Open Space Element, the City has approximately 157.1 acres of parkland and has 19 recreation parks available for residents and visitors to enjoy, ranging from 40 acres to 0.3 acres and equipped with different elements and amenities.

The Proposed Project includes private amenities such as barbeques, shaded outdoor seating, and a small yoga and workout area. GGMC Section 9.44.030 states "where there is no public park or recreation facility required or provided within or for the proposed subdivision, or where the subdivision contains 50 lots or fewer, the subdivider shall pay a fee in lieu of land dedication reflecting the value of land required for park and recreation purposes in accordance with the schedule of fees as adopted by Resolution of the City Council". The applicant would be required to pay in-lieu fees for improvements to existing City parks and recreation facilities. Additionally, the Project's private recreational amenities, such as the small yoga and workout area, would not have an adverse physical effect on the environment. The recreational amenities would be replacing the

existing developed site and would not affect any environmental features of concern.

The Project Site has a land use designation of Low Density Residential and will be redesignated as Low Medium Density Residential (LMR). The development of 26-unit townhomes is expected to result in approximately 92 more residents within the city with an average household consisting of 3.51 persons, according to the 2023 census data[13]. The data estimates the total population of Garden Grove to be 168,234 persons, in which the additional 92 residents anticipated from the project would account for approximately 0.05% of the city population. The city estimates the population in 2045 to be roughly 185,800 persons, increasing a total of 17,566 persons in the next 21 years (SCAG 2020). The Proposed Project residential growth would account for less than 0.5% of this growth. As such, the Proposed Project would not induce population growth in the area to a greater degree than can be accommodated by the City's existing park system.

Therefore, less than significant impacts associated with the construction or expansion of recreational facilities would occur, and no mitigation would be required.

Mitigation Measures

No mitigation measures associated with impacts to Recreation apply to the Proposed Project.

Conclusion

Potential impacts of the Proposed Project associated with Recreation would be less than significant, and no mitigation would be required.

[13] United States Census QuickFacts, https://www.census.gov/quickfacts/fact/table/gardengrovecitycalifornia,US/PST045223. Accessed June 13, 2024.

4.17 Transportation

A Trip Generation and Vehicle Miles Traveled (VMT) analysis was prepared to determine potential impacts from transportation associated with the development of the Proposed Project (**Appendix H** – *Santa Catalina Townhomes Residential Project Trip Generation & Vehicle Miles Traveled (VMT) Screening Analysis*, *City of Garden Grove*, RK Engineering, June 6, 2024, revised August 30, 2024).

Regulatory Setting

SB 743, passed in 2013, updated the way transportation impacts are measured in California for new development projects. The change was made as part of the California Global Warming Solutions Act of 2006 (Assembly Bill [AB 32]) to assist with achieving the state's climate commitments.

In January 2019, the California Office of Planning and Research (OPR) issued guidance relative to evaluating a project's Vehicle Miles Traveled (VMT) to reduce GHG emissions. The CEQA Guidelines were also subsequently revised to require that lead agencies utilize VMT-related metric(s) that evaluate the significance of transportation-related impacts under CEQA for development projects, land use plans, and transportation infrastructure projects, beginning on July 1, 2020. Until that time, jurisdictions utilized a Level of Service (LOS) to analyze traffic impacts. The OPR guidelines require that projects be evaluated using VMT metrics but also allows jurisdictions to continue to use the LOS method for non-CEQA purposes.

The State OPR also set forth guidance for agencies to use "screening thresholds" to quickly identify when a project should be expected to cause a less-than-significant impact without conducting a detailed study. (refer to CEQA Guidelines, §§ 15063(c)(3)(C), 15128, and CEQA Guidelines Appendix G). The types of projects that are exempt from preparing a detailed VMT analysis are based on project size, maps, transit availability, and provision of affordable housing. Consistent with the requirements of CEQA Guidelines Section 15064.3, the City of Garden Grove adopted significance criteria for transportation impacts based on VMT when evaluating VMT to determine traffic-related impacts for land use development projects. The screening criteria and significance criteria are contained in City of Garden Grove Traffic Impact Analysis Guidelines for Vehicle Miles Traveled and Level of Service Assessment (May 2020) ["the City TIA Guidelines"].

Regional Transportation Plans

The Southern California Association of Governments (SCAG) is a council of governments representing the six-county region of Imperial, Los Angeles, Orange, Riverside, San Bernardino, and Ventura counties. Every four years SCAG updates

the Regional Transportation Plan (RTP) for the six-county region. On April 7, 2016, the SCAG's Regional Council adopted the 2016-2040 Regional Transportation Plan / Sustainable Communities Strategy (2016 RTP/SCS). The SCS outlines a development pattern for the region, which, when integrated with the transportation network and other transportation measures and policies, would reduce greenhouse gas emissions from transportation (excluding goods movement).

City of Garden Grove

The Garden Grove General Plan (2008) contains a Circulation Element that represents the City's overall transportation plan. The plan addresses the impacts of future growth, planned physical improvements, and additional improvements to accommodate growth within the City. The Element discusses all modes of transportation including cars, buses, bicycles, and walking, as well as the transportation routes from streets, highways, freeways, paths, bike lanes and sidewalks.

Study Methodology

<u>Vehicle Miles Traveled Screening Assessment</u>:

The City of Garden Grove has developed three criteria that can be applied to effectively screen projects from project-level assessment:

- Step 1: Transit Priority Area (TPA) Screening
- Step 2: Low VMT Area Screening
- Step 3: Project Type Screening

Step 1: Project within a TPA may be presumed to have a less than significant impact absent substantial evidence to the contrary, however, this may not be presumed if the project:

1. Has a floor area ratio of less than 0.75;
2. Includes more parking for use by residents, customers, or employees of the project than required by required by the City;
3. Is inconsistent with the applicable Sustainable Communities Strategy; OR
4. Replaces affordable residential units with smaller number of moderate- or high-income residential units.

The City of Garden Grove has developed a TPA map as part of the City of Garden Grove VMT Impact Analysis Methodologies Assessment memorandum, which was utilized to determine whether the project can be screened out based on the TPA screening criteria. The Proposed Project is not situated in an existing TPA. Therefore, the Project does not satisfy Step 1: Transit Priority Area Screening criteria.

Step 2: Projects located within a Low VMT-generating area are presumed to have a less than significant impact absent substantial evidence to the contrary.

The Project is located in in a traffic analysis zone (TAZ) with a total VMT per service population that is higher than the County average. Therefore, the Proposed Project does not satisfy Step 2: Low VMT Area Screening criteria.

Step 3: Project types can be eligible to screen from a project-level VMT assessment because they can be presumed to have a less than significant impact absent substantial evidence to the contrary as their uses are local-serving in nature. There project types include K-12 schools, local parks, daycare centers, local retail less than 50,000 SF, local serving hotels (e.g., non-destination hotels), Student Housing Projects or adjacent to College Campuses, Public Assembly Uses, Community Institutions, Affordable, Supportive or Traditional Housing, Assisted Living Facilities, Senior Housing and Projects Generating less than 110 daily vehicle trips.

The Proposed Project is forecast to generate approximately 187 daily trips which includes approximately 12 AM peak hour trips and approximately 15 PM peak hour trips. Similarly, the recently closed preschool generated approximately 82 daily trips which includes approximately 16 AM peak hour trips and approximately 16 PM peak hour trips at the time the preschool ceased operations. Therefore, when the Proposed Project is compared to the recently closed preschool, the project will generate approximately 105 net daily trips.

Trip Generation: Trip generation represents the amount of traffic that is attracted and produced by the development and is based on trip generation rates from the latest Institute of Transportation Engineers (ITE) Trip Generation Manual (11th Edition, 2021).

The Project trip generation analysis utilized the ITE Land Use Codes 215: Single Family Attached Housing and ITE Land Use Code 565: Day Care Center to evaluate the Proposed Project and existing land uses.

Table 23 – *Project Trip Generation Rates & Forecast* summarizes the project trip generation, showing comparisons of trip generations at different hours for the existing and proposed development. At off-site intersections, the Proposed Project is forecast to generate approximately 187 greater net daily trips which include approximately 4 fewer AM peak hour trips and approximately 1 less PM peak hour trips. The recently closed preschool generated approximately 82 daily trips which includes approximately 16 AM peak hour trips and approximately 16 PM peak hour trips at the time the preschool ceased operations. This leaves the Proposed Project at generating approximately 105 net daily trips.

Table 25 – Project Trip Generation Rates and Forecast

Land Use (ITE Code)	Quantity	Units[2]	Weekday						Daily
			AM Peak Hour			PM Peak Hour			
			In	Out	Total	In	Out	Total	
Trip Generation Rates									
Single-Family Attached Housing (215)	--	DU	25%	75%	0.48	59%	41%	0.57	7.20
Day Care Center (565)	--	Students	53%	47%	0.78	47%	53%	0.79	4.09
Trip Generation Forecast									
Proposed Project Trip Generation Forecast									
Santa Catalina Townhomes [A]	26	DU	3	9	12	10	5	15	187
Existing Trip Generation Forecast									
Look Who's Learning Preschool [B]	20	Students	8	8	16	8	8	16	82
Total Net Trip Generation Forecast [A] - [B]			**-5**	**+1**	**-4**	**+2**	**-3**	**-1**	**+105**

[1] Source: ITE Trip Generation Manual (11th Edition, 2021).
[2] DU = Dwelling Units.

Therefore, the Proposed Project is not required to prepare a traffic impact analysis Project Type Screening criteria (i.e., the project is forecast to generate less than 110 net new daily vehicle trips) and can be screened out of a detailed VMT analysis and is presumed to have a less than significant impact on VMT under CEQA.

Impact Analysis

CEQA THRESHOLDS	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact or Does Not Apply
I. TRANSPORTATION: Would the project:				
a) Conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?			X	
b) Conflict or be inconsistent with CEQA Guidelines § 15064.3, subdivision (b)?			X	
c) Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?			X	
d) Result in inadequate emergency access?			X	

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

The City of Garden Grove Circulation Element of the General Plan represents the City's overall transportation plan, consisting of not only of the physical transportation system, but also to the various modes of transportation such as cars, buses, trucks, rail, bicycles, ridesharing and walking. The Circulation Element also refers to the movement of people and goods and products within and through the City. It includes several goals and policies that are applicable to the Proposed Project, including:

> Policy CIR-IMP-11: Require new development or redevelopment projects to identify direct project impacts and provide associated mitigation at the time of key decision points, such as site plan approval or significant change in the land use of an approved development.
> Policy CIR-4.2: Strive to reduce the number of miles traveled by residents to their places of employment

The Proposed Project would satisfy the above policies because, as detailed in this section, the project would have less than significant traffic impacts and would limit the increase of net daily trips, limiting the vehicle miles traveled.

Transit: The Proposed Project would not alter or interfere with existing transit services. The City of Garden Grove's local circulation is primarily a grid-pattern system of arterial streets, most of which are under the sole jurisdiction of the City. The Union Pacific Railroad provides rail freight spur line service in western Garden Grove in the area generally bounded by Knott Avenue on the west, the City boundary on the north, Beach Boulevard on the east, and Garden Grove Boulevard on the south. All crossings with streets in this area are at-grade. OCTA provides extensive bus and rail transit service throughout Orange County. Public transit service in Garden Grove includes local fixed-route bus service, commuter bus service, and paratransit services.

Bicycle and Pedestrian Facilities: The City includes bicycle and pedestrian circulation plans within the Circulation Element, Section 5.13. With the increase in cycling becoming a form of transportation and recreation, the City of Garden Grove has established bike routes to meet the growing demand for safe places to ride bicycles. All proposed and existing bikeway routes in Garden Grove and the surrounding area are classified in the following three types:

> Class 1: Bicycle trail is a facility that is physically separated from a roadway and designated primarily for the use of bicycles\
> Class 2: Bicycle lane facility is a facility featuring a striped lane on the paved area of a road for preferential use of bicycles.
> Class 3: Bicycle route is a facility typically identified by green and white "Bike Route" guide signage only.

One short Class 1 bikeway is located along Knott Avenue and totals approximately 0.5-mile in length. Located along portions of Lampson and Trask Avenue and Ward and 9th Streets, Class 2 facilities total 22.75 miles. Along portions of Lampson and Trask Avenue, class 3 facilities total 0.5 miles. On August 2001, the Orange County Transportation Authority (OCTA) adopted the Commuter Bikeways Strategic Plan (CBSP) with the intent of creating a comprehensive blueprint of the existing bikeways in the county, as well as proposing new facilities to complete a network of bikeways.

Pedestrian facilities in Garden Grove serve two primary purposes: transportation and recreation. Sidewalks are the fundamental pedestrian transportation facility, while trails serve the recreation function. The major sidewalk program has been the voter approved sidewalks installation program. These sidewalks can be installed only on arterial streets within the City. For local residential streets, the residents may form special assessment districts to fund sidewalk installation. Currently, there is no sanctioned walking or hiking trail system in the City of Garden

Grove. Moreover, the County Master Plan of Riding and Hiking Trails does not include facilities in the City of Garden Grove.

The Proposed Project is consistent with the programs, plans, ordinances, and policies that address the circulation system, including transit, roadways, bicycle and pedestrian facilities. For example, the City's General Plan Circulation Element has a policy that requires new development to mitigate any impacts to traffic and to provide appropriate pedestrian access throughout the City. The Project proposes attractive landscaped walkways for pedestrian circulation throughout and around the Project Site along Santa Barbara Avenue. Additionally, the Project is forecasted to generate 105 net new daily trips, which is less than 110 net new daily vehicle trips. Therefore, the Project is presumed to have a less than significant impact on VMT on CEQA. Therefore, potential impacts associated with the circulation system would be less than significant, and no mitigation would be required.

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

Less Than Significant. CEQA Guidelines Section 15064.3 provides that transportation impacts of projects are, in general, best measured by evaluating the Proposed Project's VMT. Automobile delay (LOS) will no longer be considered an environmental impact under CEQA.

As such, the City of Garden Grove adopted its Traffic Impact Analysis (TIA) Guidelines in 2020 to help ensure that land use development and transportation projects comply with the latest CEQA requirements regarding VMT. These guidelines include a CEQA Assessment for VMT analysis and lists the VMT thresholds, screening tools, and methodologies.

A trip generation evaluation and VMT screening analysis consistent with the City's TIA Guidelines was prepared by RK Engineering for the Proposed Project (**Appendix H**). The Proposed Project is classified as "Single Family Attached Housing and Day Care Center. As mentioned above, the Proposed Project is forecast to generate approximately 187 daily trips which includes approximately 12 AM peak hour trips and approximately 15 PM peak hour trips. Similarly, the recently closed preschool generated approximately 82 daily trips which includes approximately 16 AM peak hour trips and approximately 16 PM peak hour trips at the time the preschool ceased operations. Therefore, when the proposed project is compared to the recently closed preschool, the project will generate approximately 105 net daily trips.

Therefore, the Proposed Project is presumed to have a less than significant impact on VMT since it satisfies one or more of the VMT screening criteria established by the City of Garden Grove. Potential impacts associated with a conflict or is

inconsistency with State CEQA Guidelines Section 15064.3, subdivision (b) would be less than significant, and no mitigation would be required.

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

Less Than Significant Impact. The Proposed Project does not involve any design features that would increase traffic hazards due to geometric design.

The Project Site would be accessed via three driveway entry points on Santa Barbara Avenue. All driveways enter the site into a 25-foot-wide interior street. The driveways are not proposed to be gated, which eliminates potential for queuing vehicles into the public right-of-way for site access.

The Project provides a total of 52 private parking spaces in private garages and 28 on-site open parking spaces, totaling 80 parking spaces (3.08 spaces/unit). The open parking spaces are dispersed throughout the interior streets of the project. Trash enclosures are located in the northeast corner and southern parts of the site. The interior street remains 25 feet wide throughout the site and meets requirements for emergency vehicle access as well as trash services.

The Proposed Project does not include a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses. The Proposed Project would not create hazards or conflicts between pedestrians and vehicles internally, nor would it create a conflict for ingress and egress. As part of MM HAZ-MAT-1, detailed in Section 4.9, the Project would require a Right-of-Way permit and traffic control planned if deemed necessary by the City Traffic Engineer. The Right-of-Way permit would regulate any Project activity in the public right-of-way during construction to ensure safety and emergency access. The Project includes emergency vehicle crash gate access at Private Drive C and Private Drive D along the western site boundary. Additionally, driveways will comply with the City's Municipal Code standards. Therefore, potential impacts associated with hazards or incompatible uses would be less than significant, and no mitigation would be required.

d) Would the project result in inadequate emergency access?

Less Than Significant Impact. The Proposed Project is required to comply with the City's development review process including review by the Orange County Fire Authority for compliance with all applicable fire code requirements for construction and access to the Project Site. The access and circulation features within the Project Site would accommodate emergency ingress and egress by fire trucks, police units, and ambulance/paramedic vehicles.

Emergency vehicles would enter the Project Site using any of the proposed driveway entry points on Santa Barbara Ave. The roadway, paving and curb

design will all accommodate residential and emergency vehicles. All access lanes will meet City requirements pursuant to the OCFA to ensure adequate emergency access to and throughout the site.

The Proposed Project's driveway would be designed and constructed to City standards and comply with City width, clearance, and turning-radius requirements. The Project Site would be accessible to emergency responders during construction and operation of the Proposed Project and would not result in inadequate emergency access, as detailed in Section 4.9. Therefore, potential impacts associated with inadequate emergency access would be less than significant, and no mitigation would be required.

Mitigation Measures

No mitigation measures associated with impacts to Transportation apply to the Proposed Project.

Conclusion

Potential impacts of the Proposed Project associated with Transportation would be less than significant, and no mitigation would be required.

4.18 Tribal Cultural Resources

Cogstone prepared a Cultural and Paleontological Resources Assessment for the Proposed Project (**Appendix B** - *Cultural and Paleontological Resources Assessment Report for* The Brandywine Garden Grove Project, City of Garden Grove, Orange County, California, Cogstone, July 2024). The assessment addressed the ethnographic and archaeology of the Native American occupation in the City of Graden Grove.

Senate Bill 18 (SB 18)

Senate Bill 18 (SB 18) requires local governments to consult with tribes prior to making certain planning decisions and to provide notice to tribes at certain key points in the planning process. Consultation and notice requirements apply to adoption and amendment of both general plans (defined in Government Code §65300 et seq.) and specific plans (defined in Government Code §65450 et seq.).

SB 18 uses the term, California Native American tribe, and defines this term as "a federally recognized California Native American tribe or a non-federally recognized California Native American tribe that is on the contact list maintained by the Native American Heritage Commission" (NAHC). All California Native American tribes, whether officially recognized by the federal government or not, represent distinct and independent governmental entities with specific cultural beliefs and traditions and unique connections to areas of California that are their ancestral homelands. SB 18 recognizes that protection of traditional tribal cultural places is important to all tribes, whether federally recognized or not, and it provides all California Native American tribes with the opportunity to participate in consultation with city and county governments for this purpose.

Assembly Bill 52 (AB 52)

Assembly Bill 52 (AB 52), signed into law in 2014, amended CEQA and established new requirements for tribal notification and consultation. AB 52 applies to all projects for which a notice of preparation or notice of intent to adopt a negative declaration/mitigated negative declaration is issued after July 1, 2015. AB 52 also broadly defined a new resource category of tribal cultural resources and established a more robust process for meaningful consultation that includes:

- Prescribed notification and response timelines;
- Consultation on alternatives, resource identification, significance determinations, impact evaluation, and mitigation measures; and
- Documentation of all consultation efforts to support CEQA findings.

A tribe must submit a written request to the relevant lead agency if it wishes to be notified of projects within its traditionally and culturally affiliated area. The lead agency must provide written, formal notification to the tribes that have requested

it within 14 days of determining that a project application is complete or deciding to undertake a project. The tribe must respond to the lead agency within 30 days of receipt of the notification if it wishes to engage in consultation on the Proposed Project, and the lead agency must begin the consultation process within 30 days of receiving the request for consultation. Consultation concludes when either 1) the parties agree to mitigation measures to avoid a significant effect, if one exists, on a tribal cultural resource, or 2) a party, acting in good faith and after reasonable effort, concludes that mutual agreement cannot be reached. AB 52 also addresses confidentiality during tribal consultation per Public Resources Code §21082.3(c).

City of Garden Grove Tribal Consultation

On August 1, 2024, the City of Garden Grove notified the following tribal entity representatives of the Proposed Project and the 30-day and 90-day timeframe in which to request consultation in accordance with AB52 and SB18:

- Gabrieleno Band of Mission Indians – Kizh Nation
- Gabrieleno Tongva Indians of California Tribal Council
- Gabrieleno/Tongva San Gabriel Band of Mission Indians
- Soboba Band of Luiseno Indians
- Juaneño Band of Mission Indians Acjachemen Nation
- Juaneño Band of Mission Indians Acjachemen Nation - Belardes
- Torres Martinez Desert Cahuilla Indians
- Pala Band of Mission Indians
- Santa Rosa Band of Cahuilla Indians

Of the tribes contacted, the following response was received:

- August 7, 2024 – Andrew Salas, Chairman of Gabrieleno Band of Mission Indians – Kizh Nation requested a consultation with the City regarding the Project. Based on the consultation with the City, the Gabrieleno Band of Mission Indians – Kizh Nation (Tribe) submitted a letter indicating that the Project site is located within the boundaries of Kizh ancestral territory. Therefore, the Project may have "adverse impacts on Kizh historical landscapes, ceremonial places, subsurface artifacts, and other Kizh tribal cultural resources (TCR)." The letter proposed tribal cultural resource mitigation measures (**TCR-1**, **TCR 2**, and **TCR-3**) to reduce the Project's impacts on tribal cultural resources.

Environmental Setting

The Project is located within the Peninsular Range Geomorphic Province, which extends from Mount San Jacinto in the north to Baja, California in the south and includes the Inland Empire, Los Angeles, Orange County, and San Diego areas of California. The Peninsular Ranges Geomorphic Province is located in the

southwestern corner of California and is bounded by the Transverse Ranges Geomorphic Province to the north and the Colorado Desert Geomorphic Province to the east. This geomorphic province is characterized by elongated northwest-trending mountain ridges separated by sediment-floored valleys. Many faults to the west of the Salton Trough section of the San Andreas Fault Zone, parallel this northwest-southeast trending fault zone and have taken up some of the strain of the San Andreas. The San Jacinto Fault Zone at the base of the San Timoteo Badlands to the southeast of the Project is one such fault zone. Prior to development on the Project Site, the native vegetation on the Project area consisted of California coastal sage scrub, with a variety of native plants. Modern vegetation in the area includes grasslands and California coastal sage scrub with non-native species mixed in. With increased urban development, most native animals have been driven out of the area, but some still are seen in the surrounding hills.

According to the Cultural and Paleontological Resources Assessment, the Project area is located within the traditional territory of the Gabrielino (Tongva), who were semi-sedentary hunters and gatherers with the best-known artifacts made of steatite, decorated with inlaid shells or carvings reflecting an elaborately developed artisanship. The tribe's food sources came from animals, fruits and nuts and a variety of shellfish from marine food sources.

A review of the earliest known United States Geological Survey (USGS) Topographic Maps shows no built environment within the Project area between 1896 and 1950. A 1952 United States Department of Agriculture (USDA) aerial topographic map shows the Project area and the surrounding area consists of vast agricultural fields (NETROnline 1950). A review of historic newspaper articles announces the construction of the church in 1960 and the educational building in ca. 1961 (*The Bulletin* 1960). The small ancillary building to the south of the educational building is estimated to have been built ca. 1961 based on a review of a 1963 USDA aerial photograph (NETROnline 1963). Between 1972 and 1988, a one-story addition was constructed at the south elevation of the church (NETROnline 1972 and 1988).

Impact Analysis

CEQA THRESHOLDS	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact or Does Not Apply
II. TRIBAL CULTURAL RESOURCES: Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:				
a) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k), or				X
b) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resources Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.		X		

Discussion

a) Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k)?

No Impact. The Cultural and Paleontological Resources Assessment by Cogstone for the Proposed Project obtained a record search from the Natural History Museum of Los Angeles County. Online records from the University of California Museum of Paleontology database and the Paleobiology Database were also searched for fossil records and print sources. The results of these searches determined that the late Pleistocene and Holocene sediments mapped at the

surface have low potential to contain significant paleontological resources at depths of five (5) feet or less below the modern surface, due to the presumed lack of fossils in these deposits. Below this depth, these sediments may have increased potential for fossils and/or tribal cultural resources, and so are assigned moderate potential for fossils and/or tribal cultural resources. Additionally, should Pleistocene older alluvium be encountered at any depth in the subsurface, this sedimentary unit would also have moderate potential for fossils and/or tribal cultural resources as inferred from similar deposits having produced fossils and/or tribal cultural resources at the surface near to the study area. As described in **MM TCR-1**, a Native American Monitor shall be retained prior to the commencement of any ground-disturbing activity for the Project site and at all Project locations. If unanticipated discoveries of paleontological, cultural, or tribal cultural resources occur during construction, **TCR-2** and **TCR-3** would be implemented.

Additionally, Cogstone requested a search of the California Historical Resources Information System (CHRIS) at the South-Central Coastal Information Center (SCCIC) which included the entire proposed Project area as well as a 0.5-mile radius. Results of the record search indicate that one previous study has been completed within the Project area while two studies have been completed previously within a 0.5-mile radius of the Project area. No cultural resources have been recorded within the Project area. Outside of the Project area one cultural resource has been previously documented within the 0.5-mile search radius from the Project area.

According to the PRC Chapter 2.5, Section 2.5, Section 21074, Tribal Cultural Resources are sites, features, places, cultural landscapes, sacred places, and items with cultural value to a California Native American tribe that are either included or determined to be eligible for inclusion in the California Register of Historical Resources or included in a local register of historical resources as defined in Section 5020.1.

No resources are listed on or have been identified as eligible for listing on the California Register of Historic Places within or near the Project Site and no known potential impacts to Tribal Cultural Resources would occur.

b) Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is a resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resources Code Section 5024.1,

the lead agency shall consider the significance of the resource to a California Native American tribe?

Less Than Significant Impact with Mitigation Incorporated. According to CEQA Guidelines § 21704, tribal cultural resources are defined as either of the following:

"(1) Sites, features, places, cultural landscapes, sacred places, and objects with cultural value to a California Native American tribe that are either of the following:

(A) Included or determined to be eligible for inclusion in the California Register of Historical Resources.
(B) Included in a local register of historical resources as defined in subdivision (k) of [CEQA Guidelines] Section 5020.1

(2) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of [CEQA Guidelines] Section 5024.1." A cultural landscape that meets the criteria of [the above definition] is a tribal cultural resource to the extent that the landscape is geographically defined in terms of the size and scope of the landscape. A historical resource… may also be a tribal cultural resource."

In accordance with the requirements of AB 52 and SB 18, on August 1, 2024, the City sent letters to Native American tribes that may have knowledge regarding tribal cultural resources in the Project vicinity. Of the Tribes notified, one response was received from the Gabrieleno Band of Mission Indians – Kizh Nation. The response indicated that the Project site is located within the boundaries of Kizh ancestral territory. Therefore, the Tribal Government scheduled a consultation with the lead agency to discuss the Project and surrounding locations in further detail. The Tribe also provided three mitigation measures directed towards ground disturbing activities as well as unanticipated discovery of tribal cultural resource objects and/or human remains and associated funerary or ceremonial objects.

While the Project area was determined to have a low sensitivity for buried prehistoric archaeological resources, the possibility of tribal cultural resources that are unknown to the SCCIC may elevate the cultural sensitivity of the area. Therefore, Project-specific mitigation measures **MM TCR-2** and **MM TCR-3** would be implemented if any tribal cultural resources or human remains are discovered. Implementation of these measures will ensure that Project-specific impacts will be less than significant.

Mitigation Measures:

TCR-1: Retain a Native American Monitor Prior to Commencement of Ground-Disturbing Activities

A. The project applicant/lead agency shall retain a Native American Monitor from or approved by the Gabrieleño Band of Mission Indians–Kizh Nation. The monitor shall be retained prior to the commencement of any "ground-

disturbing activity" for the subject project at all project locations (i.e., both on-site and any off-site locations that are included in the project description/definition and/or required in connection with the project, such as public improvement work). "Ground-disturbing activity" shall include, but is not limited to, demolition, pavement removal, potholing, auguring, grubbing, tree removal, boring, grading, excavation, drilling, and trenching.

B. A copy of the executed monitoring agreement shall be submitted to the lead agency prior to the commencement of any ground-disturbing activity, or the issuance of any permit necessary to commence a ground-disturbing activity.
C. The monitor will complete daily monitoring logs that will provide descriptions of the relevant ground-disturbing activities, the type of construction activities performed, locations of ground-disturbing activities, soil types, cultural-related materials, and any other facts, conditions, materials, or discoveries of significance to the Tribe. Monitor logs will identify and describe any discovered TCRs, including but not limited to, Native American cultural and historical artifacts, remains, places of significance, etc., (collectively, tribal cultural resources, or "TCR"), as well as any discovered Native American (ancestral) human remains and burial goods. Copies of monitor logs will be provided to the project applicant/lead agency upon written request to the Tribe.
D. On-site tribal monitoring shall conclude upon the latter of the following: (1) written confirmation to the Kizh from a designated point of contact for the project applicant/lead agency that all ground-disturbing activities and phases that may involve ground-disturbing activities on the project site or in connection with the project are complete; or (2) a determination and written notification by the Kizh to the project applicant/lead agency that no future, planned construction activity and/or development/construction phase at the project site possesses the potential to impact Kizh tribal cultural resources.

TCR-2: Unanticipated Discovery of Tribal Cultural Resource Objects (Non-Funerary/Non-Ceremonial)

A. Upon discovery of any TCRs, all construction activities in the immediate vicinity of the discovery shall cease (i.e., not less than the surrounding 50 feet) and shall not resume until the discovered TCR has been fully assessed by the Kizh monitor and/or Kizh archaeologist. The Kizh will recover and retain all discovered TCRs in the form and/or manner the Tribe deems appropriate, in the Tribe's sole discretion, and for any purpose the Tribe deems appropriate, including for educational, cultural, and/or historic purposes.

TCR-3: Unanticipated Discovery of Human Remains and Associated Funerary or Ceremonial Objects

A. Native American human remains are defined in PRC § 5097.98 (d)(1) as an inhumation or cremation, and in any state of decomposition or skeletal completeness. Funerary objects, called associated grave foods in PRC § 5097.98, are also to be treated according to this statute.
B. If Native American human remains and/or grave foods are discovered or recognized on the project site, then PRC § 5097.9 as well as Health and Safety Code §7050.5 shall be followed.
C. Human remains and grave/burial foods shall be treated alike per California PRC §5097.98 (d)(1) and (2).
D. Preservation in place (i.e. avoidance) is the preferred manner of treatment for discovered human remains and/or burial goods.
E. Any discovery of human remains/burial goods shall be kept confidential to prevent further disturbance.

Conclusion

Implementation of mitigation measures TCR-1, TCR-2 and TCR-3 would reduce the potential impacts of the Proposed Project associated with Tribal Cultural Resources to a less than significant level.

4.19 Utilities and Service Systems

The Project is served by the City of Garden Grove as well as Southern California Edison and Southern California Gas Company.

Environmental Setting

Water and sewer services would be served by the City of Garden Grove Water Services Division of the Public Works Department. The City of Garden Grove receives its electrical power service via generation and transmission infrastructure owned by Southern California Edison (SCE). The City receives its natural gas from the Southern California Gas Company (SCGC). Telecommunication services are provided via a number of private companies.

Impact Analysis

CEQA THRESHOLDS	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact or Does Not Apply
III. UTILITIES AND SERVICE SYSTEMS: Would the project:				
a) Require or result in the relocation or construction of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?			X	
b) Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?			X	
c) Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?			X	

CEQA THRESHOLDS	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact or Does Not Apply
d) Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?			X	
e) Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?			X	

Discussion

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

Less than Significant Impact. The Proposed Project is designed to match existing drainage conditions onsite via sheet flow from north to south. The Project drainage will consist of sheet flow drainage in drive aisles which will flow to gutters and then to onsite catch basins. Other drainage includes area drain inlets in landscaped areas. All drainage that is captured by the catch basins and area drains will flow in underground storm drainpipes to a proprietary biotreatment system that will treat the water. Runoff will then be pumped to a curb core-drain which flows to the public street. The Project site is served water by the City of Garden Grove Water Services Division, a division of the Public Works Department. According to a Project letter from the City of Garden Grove Office of Public Works (**Appendix I** – *Water and Sewer Service*, City of Garden Grove Public Works, February 22, 2024), the water system in this area is adequate for domestic water supply and fire protection for the Proposed Project. The Garden Grove Sanitary District is the sewer purveyor for the subject address. The Proposed Project is within the calculated capacity deficiency area. Electric and Natural Gas systems will interconnect with existing infrastructure owned by Southern California Edison and Southern California Gas Company. Telecommunication services are available through a number of private providers.

<u>Water:</u> Water services for the Project are provided by the City of Garden Grove. The City relies on groundwater and well-water storage for approximately two-thirds of its water supply, while the remaining one-third is obtained through imports

from the Metropolitan Water District of Southern California (MWDSC) (2022 Water Quality Report, City of Garden Grove Water Services Division). The MWDSC imports water from the State Water Project and the Colorado River Aqueduct. The Project would not require the relocation or construction of new or expanded water facilities. The Project letter dated February 22, 2024 from the City of Garden Grove Office of Public Works stating that the water system in the Project area is adequate for domestic water supply for the Project. The Project will not require relocation or substantial new construction of any water utility facilities to service the Project Site.

Sewer: Sewer services for the Project Site are served by the City of Garden Grove. The sewer services within the city are connected through a network of local sewer mains, connecting to regional trunk sewer systems for the Orange County Sanitation District. The project will be designed to match existing conditions and in conformance with current standards and specifications and must be approved by the City Engineer. According to the Project letter from the Public Works Department, a sewer flow study was performed in December 2023 and confirmed that the sewer system can handle the additional sewage discharge from the Project's 26 two-story townhomes. The Project will not require relocation or substantial new construction of any sewer utility facilities to service the Project Site.

Stormwater: The Project is designed and planned in accordance with the Orange County Hydrology Manual and the City of Garden Grove drainage requirements. Currently, the site drains a portion of the stormwater to the north onto Santa Catalina Ave and a portion to the south onto Santa Barbara Ave, both as sheet flow into a street edge gutter. The last portion flows to the west to the alley into a 6-foot-wide gutter running along the center of the alley. Drainage flows south to an existing catch basin and concrete channel approximately 2,000 feet away. No onsite storm drain infrastructure was found during the site reconnaissance and site survey.

The Proposed Project is expected to keep a similar drainage pattern to the existing conditions. The stormwater will be kept above ground as much as possible by utilizing the interior streets to convey runoff towards the proposed driveways and emergency vehicle access on the perimeter of the project, reducing the need for a large amount of onsite storm drainage. The Project is planned in accordance with the Orange County Water Quality Management Plan (WQMP) and designed with structural Best Management Practice to capture and treat the stormwater. The post development drainage will consist of sheet flow drainage in drive aisles which flow to gutters and then to onsite catch basins. Roof, pad, and lot drainage will be collected and directed away from the structures towards approved disposal areas through drainage terraces, gutters, down drains, and other devices. Landscaped areas will also include area drain inlets. All drainage that is captured by catch basins and area drains will flow through underground

storm drainpipes to a proprietary biotreatment system that will treat the water. Runoff will then be pumped to a curb core drain which flows to the public street. The City of Garden Grove Municipal separate storm sewer system ultimately discharges all drainage to Huntington Harbor and Sunset Aquatic Harbor.

According to the Susceptibility Analysis of Huntington Harbor and Sunset Aquatic Harbor, these waterways are not susceptible to hydromodification and therefore hydraulic conditions were is not considered for this Project. There is no off-site drainage that enters the property. The Project is expected to keep a similar drainage pattern to existing conditions as runoff ultimately flows to the public street. Additionally, the Project is planned in accordance with the Orange County WQMP and includes structural Best Management Practices. Therefore, the Project would not cause a significant impact on the environment.

Electricity: The City of Garden Grove receives its electrical power via generation and transmission infrastructure owned by the Southern California Edison (SCE) company, who maintains and operates the transmission and distribution infrastructure necessary to provide electricity to end users throughout the entire service area. SCE uses a mix of fossil fuel and renewable energy resources to supply electricity to Southern California. SCE services include all required electrical hookups. The project would be constructed in accordance with all applicable California Building Standards Code (California Code of Regulations, Title 24), and would not require the construction or relocation of electric power facilities. The Project will not require relocation or substantial new construction of any electricity utility facilities to service the Project Site.

Natural Gas: Natural Gas will be provided by Southern California Gas Company (SoCalGas). SCGC provides gas services to the City of Garden Grove and serves nearly 18 million people through 5 million gas meters in more than 530 communities. In the 2022 California Gas Report, SoCalGas projected total gas demand to decline at an annual rate of 1.5 percent from 2022 to 2035[14]. The decline in demand is due to modest economic growth, mandated energy efficiency standards and programs, tighter standards created by revised Title 24 Codes and Standards, and renewable electricity goals. The Project will not require relocation or substantial new construction of any natural gas utility facilities to service the Project Site.

Telecommunications: Communication Services including line and wireless telephone and internet services are provided by a number of private companies.

[14] California Gas and Electric Utilities, Accessed May 9, 2024. https://www.socalgas.com/sites/default/files/Joint_Utility_Biennial_Comprehensive_California_Gas_Report_2022.pdf,

Therefore, the Proposed Project will not require relocation or substantial new construction of any utility facilities to service the Project Site. Impacts of the project will be less than significant, and no mitigation is required.

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

Less than Significant Impact. As discussed in response (a) above, water services for the Project are provided by the City of Garden Grove. The City relies groundwater and well-water storage for approximately two-thirds of its water supply, while the remaining one-third is obtained through imports from the Metropolitan Water District of Southern California (MWDSC). The MWDSC imports water from the State Water Project and the Colorado River Aqueduct.

According to The City of Garden Grove's Public Works department, the City's water demand is 9.4 million gallons per year. The system is able to pump 46,000 gallons of water per minute from the eleven pumping stations.

Based on the 2020 City of Garden Grove Urban Water Management Plan water demand factor of 93 gallons per capita per day, the Project's total estimated water demand is 8,556 gallons per day. The Project's estimated annual water use of 3,122,940 gallons would be less than 0.0004% of the City's average annual water supply of 9.4 billion gallons per year. Although an increase in the demand for domestic water would occur, the increase would not be significant because adequate water supplies and facilities are available to serve the Project. The letter, dated February 22, 2024, from the City of Garden Grove Office of Public Works states that the water system in the area is adequate for domestic water supply and fire protection for the Project. The letter also states that the Project is a sewer flow study performed in December 2023 confirmed that the sewer system can handle the additional sewage discharge from the Project's 26 two-story townhomes. Therefore, impacts of the project will be less than significant and no mitigation is required.

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

Less than Significant Impact. The City of Garden Grove will provide wastewater treatment through its sewer services. The City collects wastewater that is sent to the Orange County Sanitation District sewer system for treatment and ultimate disposal. The Sewer Services Division uses a Sewer System Management Plan to monitor and maintain an effective and safe sanitary sewer network.

The Proposed Project is expected to keep a similar drainage pattern to the existing conditions. The stormwater will be kept above ground as much as possible

by utilizing the interior streets to convey runoff towards the proposed driveways and emergency vehicle access on the perimeter of the project, reducing the need for a large amount of onsite storm drainage. The Project is planned in accordance with the Orange County Water Quality Management Plan (WQMP) and designed with structural Best Management Practice to capture and treat the stormwater. The post development drainage will consist of sheet flow drainage in drive aisles which flow to gutters and then to onsite catch basins. Roof, pad, and lot drainage will be collected and directed away from the structures towards approved disposal areas through drainage terraces, gutters, down drains, and other devices. Landscaped areas will also include area drain inlets. All drainage that is captured by catch basins and area drains will flow through underground storm drainpipes to a proprietary biotreatment system that will treat the water. Runoff will then be pumped to a curb core drain which flows to the public street. The Proposed Project will be adequately served by existing wastewater treatment infrastructure. Additionally, according to the February 22, 2024 letter from the City of Garden Grove Office of Public Works, a sewer flow study was performed in December 2023 and confirmed that the sewer system can handle the additional sewage discharge from the Project. Impacts of the project will be less than significant, and no mitigation is required.

d) Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?

Less than Significant Impact. The City of Garden Grove provides solid waste collection and disposal through a private contract with Republic Services. Republic Services is a transfer station and allows up to 6,000 tons a day of commercial, industrial, and residential trash. Residential services include free bulk pickup to all single-family and multi-family residents, recycling and trash services, dumpster rentals, yard waste services, electronic disposal services, and street sweeping. Street sweeping occurs on the first and third Friday of each month and trash collection occurs every Wednesday for the Project Site. The Household Hazardous Waste Collection Center is also available for Orange County residents as a free of charge service to dispose of household hazardous waste.

Additionally, Orange County residents may dispose solid waste at the Frank R. Bowerman Landfill in Irvine, Olinda Alpha Landfill in Brea, or Prima Deshecha Landfill San Juan Capistrano. The Frank R. Bowerman landfill is 725 acres, with a maximum permitted capacity of 11,500 tons per day and expected closure date of December 2053[15]. Olinda Alpha has 420 acres dedicated for disposal use with a maximum permitted capacity of 8,000 tons per day and it is expected to close

[15] https://www2.calrecycle.ca.gov/SolidWaste/SiteActivity/Details/2767?siteID=2103, CalRecycle, Accessed August 6, 2024

in December 2036[16]. Prima Deshecha has 697 acres dedicated for waste disposal with a maximum permitted capacity of 4,000 tons per day and is expected to close at the year end of 2102[17].

Construction

Project construction would generate solid waste requiring disposal at local landfills. Materials generated during construction of the Project would include paper, cardboard, metal, plastics, glass, concrete, lumber scraps and other materials. During construction, bulk solid waste, excess building material, fill, etc., would be disposed of in a manner consistent with State of California Integrated Waste Management Act of 1989.

Operation

Cal Recycle estimates that each household generates roughly 12.23 pounds per day of waste (CalRecycle, accessed May 2024). With 26 proposed dwelling units, it is estimated roughly 317.98 pounds of solid waste would be generated each day at the Project Site. The Republic Services Landfill has a capacity to take in 6,000 tons a day of trash from commercial, industrial and residential properties.

Therefore, the Proposed Project will not generate waste in excess of the capacity of local infrastructure and would result in a less than significant impact on the potential impacts associated with solid waste for the Proposed Project.

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

Less than Significant Impact. The City of Garden Grove has an agreement with with Republic Services for solid waste disposal and recycling throughout the City. The Proposed Project's solid waste disposal needs would be serviced through this agreement. The California Integrated Waste Management Act required local jurisdictions to divert at least 50 percent of all solid waste generated by January 1, 2000 (AB 939). In addition, the California Green Building Code requires all developments to divert 50 percent of non-hazardous construction and demolition debris for all projects and 100 percent of excavated soil and land clearing debris for all nonresidential projects. The City enforces compliance with all federal, state and local regulations related to solid waste for all properties in the City through the franchise agreement and City ordinances. As such, the Proposed Project would be in compliance with regulations related to solid waste, and no impact would occur.

[16] https://www2.calrecycle.ca.gov/SolidWaste/SiteActivity/Details/2757?siteID=2093, CalRecycle, Accessed August 6, 2024

[17] https://www2.calrecycle.ca.gov/SolidWaste/SiteActivity/Details/2750?siteID=2085, CalRecycle, Accessed August 6, 2024

Mitigation Measures

No mitigation measures associated with impacts to Utilities and Service Systems apply to the Proposed Project.

Conclusion

Potential impacts of the Proposed Project associated with Utilities and Service Systems would be less than significant, and no mitigation would be required.

4.20 Wildfire

Environmental Setting

The CAL FIRE "Fire Hazard Severity Zones in State Responsibility Areas" online map (CAL FIRE, accessed June 2024) shows the Project Site is not located within a Very High Fire Hazard Severity Zone (VHFHSZ) for either Local Responsibility Area (LRA) or State Responsibility Area (SRA). The nearest VHFHSZ is located in Fullerton, CA, over 9.6 miles north of the project site.

Impact Analysis

CEQA THRESHOLDS	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact or Does Not Apply
IV. WILDFIRE:				
If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project:				
a) Substantially impair an adopted emergency response plan or emergency evacuation plan?				X
b) Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of wildfire?				X
c) Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?				X
d) Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?				X

Discussion

a) Substantially impair an adopted emergency response plan or emergency evacuation plan?

No Impact. The Project Site lies within a heavily urbanized area and is not located in or near a State Responsibility Area (SRA), a Local Responsibility Area (LRA), or lands classified as very high fire hazard severity zones (VHFHSZ). The nearest VHFHSZ is located within the City of Fullerton, approximately 9.6-miles north of the Project Site. The surrounding areas are developed with local roads and regional highways that provide adequate access to and departure from the area in the event of an emergency. Vehicular access to the Project Site would be provided via three driveways off Santa Barbara Avenue and two emergency driveways off the alleyway. The Project driveways would be designed in accordance with the City's Municipal Code requirements, and evaluation and approval of the proposed site plan by the Orange County Fire Authority (OCFA) would be required to ensure adequacy of emergency access. Therefore, no impact would occur.

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

No Impact. The Project Site is not located within a SRA, LRA, and is not designated within a VHFHSZ. The built environment surrounding the Project Site consists of the church to the north and residential uses to the east, south, and west. The site is flat and is not located within or near any hillside areas. The Proposed Project would be subject to the standards and requirements set forth in the 2022 California Fire and Building Code, which require structural resilience for all types of fire conditions. Therefore, no impact would occur.

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

No Impact. The Project Site is not located within a SRA, LRA, and is not designated within a VHFHSZ. The Proposed Project is surrounded by built infrastructure including roads, utilities (electricity and gas), sewer lines, and waterlines and would not necessitate the construction of new infrastructure. Development of the Proposed Project does not include any additional infrastructure improvements that increase capacity beyond what is already planned for within the existing urban area. The project would be constructed in compliance with applicable building and fire codes. Additionally, OCFA would review all building plans for

adequate fire suppression, fire access, and emergency evacuation. Therefore, no impact would occur.

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

No Impact. The Project Site is not located within a SRA, LRA and is not designated within a VHFHSZ. The built environment surrounding the Project Site consists of the church to the north and residential uses to the east, south, and west. The site is flat and is not located within or near any hillside areas. The Project Site is also not located within a floodplain. The Proposed Project would be subject to the standards and requirements set forth in the 2022 California Fire Code and 2022 CBC. Therefore, potential impacts associated with the exposure of people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes would be less than significant, and no mitigation would be required.

Mitigation Measures

No mitigation measures associated with impacts to Wildfire apply to the Proposed Project.

Conclusion

There are no potential impacts of the Proposed Project associated with Wildfire, and no mitigation would be required.

4.21 Mandatory Findings of Significance

Impact Analysis

ENVIRONMENTAL IMPACTS	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact or Does Not Apply
XXI. MANDATORY FINDINGS OF SIGNIFICANCE:				
a) Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?		X		
b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?		X		
c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?		X		

Discussion

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

Less than Significant with Mitigation Incorporated. As previously described, the Proposed Project is an infill development project located in an urbanized area of the City and the Project Site is not within or adjacent to and would not conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, other approved local, regional, or state habitat conservation plan.

According to the Cultural and Paleontological Resources Assessment (**Appendix D**), no cultural resources have been recorded within the Project Site, and the Project Site does not contain any resources that are important to major periods of California history or prehistory. Although the Project Site does not contain any documented cultural resources, there is a possibility that undiscovered, buried resources (including paleontological and tribal cultural resources) might be encountered during construction. Therefore, implementation of **MM GEO-1, MM TCR-1, MM TCR-2,** and **MM TCR-3** would reduce any potential impacts associated with any undiscovered resources to less than significant and ensure that the Proposed Project would not eliminate important examples of the major periods of California history or prehistory.

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

Less than Significant Impact with Mitigation Incorporated. As presented in Sections 4.1 through 4.22, the project would have no impact, a less than significant impact, or a less than significant impact after mitigation with respect to all environmental issues (Refer to **Appendix J** for the Mitigation Monitoring and Reporting Program). According to the CEQA Guidelines Appendix G, the listed impacts have the following definitions:

- **Potentially Significant Impact** is appropriate if there is substantial evidence that an effect may be significant. If there are one or more "Potentially Significant Impact" entries when the determination is made, an Environmental Impact Report (EIR) is required.
- **Potentially Significant Unless Mitigation Incorporated** applies where the incorporation of mitigation measures has reduced an effect from "Potentially Significant Impact" to a "Less Than Significant Impact". The mitigation measures must be described, along with a brief explanation of how they reduce the effect to a less than significant level.
- **Less Than Significant Impact** applies where the Project creates no significant impacts, only "Less Than Significant impacts".
- **Impacts Analyzed in GP PEIR; No New Impact** applies where the impacts for the category were analyzed in the GP PEIR and implementation of the

proposed project would not result in any new impacts that were not analyzed in the GP PEIR.

- **No Impact** applies where a Project does not create an impact in that category. A "No Impact" answer is adequately supported if the referenced information sources show that the impact simply does not apply to Projects like the one proposed (e.g., the Project falls outside of a fault rupture zone). A "No Impact" answer should be explained where it is based on Project-specific factors as well as general standards (e.g., the Project will not expose sensitive receptors to pollutants, based on a Project-specific screening analysis).

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

Less than Significant Impact with Mitigation Incorporated. All potential impacts of the Proposed Project have been identified, and mitigation measures have been provided, where applicable, to reduce potential impacts to less than significant levels. Upon implementation of mitigation measures, the Proposed Project would not result in substantial direct or indirect adverse impacts on human beings. Implementation of these measures will ensure that Project-specific impacts will be less than significant. The Mitigation Monitoring and Reporting Program (MMRP) (**Appendix J**) provides specific details on each Mitigation Measure and the Responsible parties.

5 LIST OF PREPARERS

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6 REFERENCES

The following additional reports and/or studies are applicable to development of the Project Site and are hereby incorporated by reference:

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Appendix A

Santa Catalina Townhomes Air Quality, Greenhouse Gas, and Energy Impact Study, City of Garden Grove, California

RK Engineering

June 17, 2024

Revised August 30, 2024

November 6, 2024

Ms. Lindsay Ortega
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Subject: Santa Catalina Townhomes Air Quality, Greenhouse Gas, and Energy Impact Study, City of Garden Grove, California

Dear Ms. Ortega:

1.0 Introduction

The purpose of this air quality and greenhouse gas (GHG) impact study is to determine whether the construction and operation of the Santa Catalina Townhomes Project (hereinafter referred to as "project") would cause potentially significant air quality, energy, or GHG impacts.

This assessment was conducted within the context of the California Environmental Quality Act (CEQA, California Public Resources Code Sections 21000, et seq.). The methodology utilized in this assessment follows the recommendations of the California Air Resources Board (CARB), the South Coast Air Quality Management District (SCAQMD), and City of Garden Grove.

The study also evaluates the potential impact on energy conservation pursuant to CEQA Guidelines, Appendix F, Energy Conservation Analysis, and the use of renewable energy sources.

1.1 Project Description

The project site is located at 5802 Santa Catalina Avenue, generally bound between Santa Catalina Avenue to the north, Santa Barbara Avenue to the east/south, and an alleyway to the west, in the City of Garden Grove. The project site is currently occupied by Grace Baptist Church, which also previously leased space to a private preschool operator during weekdays (Look Who's Learning Preschool) which ceased operations in May of 2024. The Look Who's Learning Preschool opened in September of 2002 and was licensed for a maximum student enrollment of 62 children. At the time the preschool ceased operations (May 2024), only 20 children were enrolled.

The project includes subdividing the lot into two (2) parcels, one for the existing Church (i.e. approximately 1.3 acres) and a second parcel for the future townhome development (i.e. approximately 1.73 acres) which contains part of the Look Who's Learning Preschool that will be partly razed.

The project proposes to construct twenty-six (26) two-story residential townhomes on the future residential parcel which contains razing an existing ancillary building that is part of the Look Who's Learning Preschool. The existing Church will remain in operation on the adjacent parcel and will continue to operate without the Look Who's Learning Preschool.

The proposed project will provide 52 spaces via private garages and 28 spaces via onsite open parking. In addition, the project proposes to include an amenity area with only a small dog park and outdoor seating. A six-foot-tall concrete masonry unit (CMU) wall will be constructed along the northern, western, and southern boundaries of the project site.

The project also involves a General Plan Amendment from Low Density Residential (LDR) to Low Medium Density Residential (LMR) and a zone change from R-1 Single Family Residential to R-3 Multiple-family Residential.

Access to the project is proposed via three (3) unsignalized driveways located on Santa Barabara Avenue and two (2) emergency vehicle access gated driveways along the alleyway.

Exhibit A shows an aerial location map of the project site. Exhibit B shows the project's proposed site plan.

Table 1 summarizes the land use assumptions utilized for the air quality model and analysis.

Table 1
Proposed Project Land Use Summary

Project Land Use	CalEEMod Land Use Category	Amount	Units[1]
Two-Story Townhomes	Condo/Townhouse	26	DU
On-Site Paved Surfaces	Parking Lot	20.678	TSF

[1] DU = Dwelling Units, TSF = Thousand Square Feet.

[2] Emissions from the construction and operation of onsite paved surfaces (i.e., drive aisles/onside circulation) are calculated within CalEEMod utilizing the "Parking Lot" land use. The "Parking Lot" land use accounts for emissions associated with paving during construction, energy used to supply outdoor light/electricity, etc.

Construction activities are expected to consist of demolition, site preparation, grading, building construction, paving, and architectural coating. During the demolition phase of construction, the project will demolish the existing onsite storage building located to the south of the church. Additionally, the project is expected to import approximately 1,513 cubic yards of earthwork material during the grading phase of construction.

1.2 Sensitive Receptors

Sensitive receptors are considered land uses or other types of population groups that are more sensitive to air pollutant exposure. Sensitive population groups include children, the elderly, the acutely and chronically ill, and those with cardio-respiratory diseases. For CEQA purposes, the SCAQMD considers a sensitive receptor to be a location where a sensitive individual could remain for 24 hours or longer, such as residences, hospitals, and schools, as described in the Localized Significance Threshold Methodology (SCAQMD 2008a, page 3-2).

The nearest sensitive land uses to the project site include the following:

Northern Receptors Existing residential land uses located north of the project site's northern boundary, approximately 30 feet north of the centerline of Santa Catalina Avenue. The nearest residential receptors to the north of the site are located approximately 205 feet (~62 meters) away.

Eastern Receptors Existing residential land uses located east of the project site's eastern boundary. The nearest residential receptors to the east of the site are located approximately 0 feet (~0 meters) away.

Southern Receptors Existing residential land uses located south of the project site's south and southeastern boundaries, along either side of Bailey Street / Santa Barbara Avenue. The nearest residential receptors to the south of the site are located approximately 0 feet (~0 meters) away.

Western Receptors Existing residential land uses located west of the project site's western boundary. The nearest residential receptors to the west of the site are located approximately 20 feet (~6 meters) away.

For the purposes of this analysis, all sensitive receptors are conservatively assumed to be less than 25 meters from the project site. A project site location map, including sensitive receptor locations, is provided in Exhibit A.

1.3 Environmental Setting

The project is located in the South Coast Air Basin, SCAQMD Inland Orange County general forecasting area and the Central Orange County Source Receptor Area (SRA-17). The project site is bounded by Santa Catalina Avenue to the north, residential land uses to the south, east and west, and Santa Barbara Avenue to the south.

1.4 Project Design Features

The following design features include several standard rules and requirements, best practices, and building code requirements for reducing air quality and GHG emissions. Design features are assumed to be integrated into the project design and required as part of the conditions of approval of the project.

Construction:

1. The project must follow the standard SCAQMD rules and requirements with regards to fugitive dust control, which include, but are not limited to the following:

    - All active construction areas shall be watered two (2) times daily.
    - Any visible dirt deposition on any public roadway shall be swept or washed at the site access points within 30 minutes.
    - Any on-site stockpiles of debris, dirt or other dusty material shall be covered or watered twice daily.
    - All operations on any unpaved surface shall be suspended if winds exceed 15 mph.
    - Access points shall be washed or swept daily.
    - Construction sites shall be sandbagged for erosion control.
    - Cover all trucks hauling dirt, sand, soil, or other loose materials, and maintain at least 2 feet of freeboard space in accordance with the requirements of California Vehicle Code (CVC) section 23114.
    - Replace the ground cover of disturbed areas as quickly possible.

2. All diesel construction equipment should have Tier 4 low emission "clean diesel" engines (OEM or retrofit) that include diesel oxidation catalysts and

diesel particulate filters that meet the latest CARB best available control technology.

3. Construction equipment shall be maintained in proper tune.

4. All construction vehicles shall be prohibited from excessive idling. Excessive idling is defined as five (5) minutes or longer.

5. Minimize the simultaneous operation of multiple construction equipment units, to the maximum extent feasible.

6. The use of heavy construction equipment and earthmoving activity shall be suspended during Air Alerts when the Air Quality Index reaches the "Unhealthy" level.

7. Establish an electricity supply to the construction site and use electric-powered equipment instead of diesel-powered equipment or generators, where feasible.

8. Establish staging areas for the construction equipment that are as distant as possible from adjacent residential homes.

9. Utilize zero VOC and low VOC paints and solvents, where feasible.

Operations:

10. The project will comply with the mandatory requirements of the California Building Standards Code, Title 24, Part 6 (Energy Code) and Part 11 (CALGreen), including, but not limited to:

    - Install low-flow fixtures and toilets, water-efficient irrigation systems, drought tolerant/native landscaping, and reduce the amount of turf.
    - Provide the necessary infrastructure to support electric vehicle charging.
    - Provide solar installations (or other sources of on-site renewable energy) per the prescribed Energy Design Ratings.

11. Participate in the local waste management recycling and composting programs.

2.0 Modeling Parameters and Assumptions

The California Emissions Estimator Model Version 2022.1.1.22 (CalEEMod) was used to calculate the potential criteria air pollutants and GHG emissions from the construction and operation of the project.

2.1 Construction Assumptions

Construction of the project is estimated to begin in the year 2024 and to consist of demolition, site preparation, grading, building construction, paving, and architectural coating. For the purposes of this analysis, construction phases are not expected to overlap.

The project will require the import of approximately 1,513 cubic yards of earthwork material for grading purposes. The CalEEMod default construction equipment list is based on survey data and the size of the site. The parameters used to estimate construction emissions, such as the worker and vendor trips and trip lengths, utilize the CalEEMod defaults. The construction equipment list is shown in Table 2.

The project will be required to comply with several standard fugitive dust control measures, per SCAQMD Rule 403. The following key inputs are utilized in CalEEMod and are based upon data provided from SCAQMD[1]. It should be noted that while Rule 403 requires vehicle speeds of 15 m.p.h. or less on unpaved roads and daily sweeping/washing of deposition on paved public roadways, the CalEEMod default fugitive dust control measures are less stringent than those established by the SCAQMD. Specifically, CalEEMod offers control measures limiting vehicle speeds to 25 m.p.h. on unpaved surfaces and requiring monthly sweeping/washing of deposition on paved public roadways. Consequently, the resulting estimated fugitive dust emissions provided by CalEEMod provide a conservative estimate due to the less restrictive control measures used within the model. Furthermore, due the small size of the site, vehicle speeds would be severely limited.

The following inputs are the default settings in CalEEMod and are utilized for a conservative analysis of construction impacts. These inputs are considered conservative because they apply less stringent fugitive dust control measures compared to those required by SCAQMD Rule 403. As a result, the air quality model's estimated construction-

[1] SCAQMD. Fugitive Dust Mitigation Measures. http://www.aqmd.gov/home/rules-compliance/ceqa/air-quality-analysis-handbook/mitigation-measures-and-control-efficiencies/fugitive-dust

related fugitive dust emissions may be higher than the actual emissions produced by the proposed project.

- Water exposed area – 61% PM_{10} and $PM_{2.5}$ reduction.
- Water unpaved roads twice daily – 55% PM_{10} and $PM_{2.5}$ reduction.
- Limit vehicle speeds on unpaved roads to 25 mph – 44% PM_{10} and $PM_{2.5}$ reduction.
- Sweep paved roads once per month – 9% PM_{10} and $PM_{2.5}$ reduction.

Table 2
Construction Equipment Assumptions[1]

Phase	Equipment	Number	Hours Per Day	Soil Disturbance Rate (Acres/ 8hr-Day)	Off-Road Equipment Daily Disturbance Footprint (Acres)	Total Daily Disturbance Footprint (Acres)
Demolition	Concrete/Industrial Saws	1	8	0.00	0.00	2.00
	Rubber Tired Dozers	1	8	0.50	0.50	
	Tractors/Loaders/Backhoes	3	8	0.50	1.50	
Site Preparation	Graders	1	8	0.50	0.50	1.44
	Rubber Tired Dozers	1	7	0.50	0.44	
	Tractors/Loaders/Backhoes	1	8	0.50	0.50	
Grading	Graders	1	8	0.50	0.50	1.88
	Rubber Tired Dozers	1	8	0.50	0.50	
	Tractors/Loaders/Backhoes	2	7	0.50	0.88	
Building Construction	Cranes	1	6	0.00	0.00	0.38
	Forklifts	1	6	0.00	0.00	
	Generator Sets	1	8	0.00	0.00	
	Tractors/Loaders/Backhoes	1	6	0.50	0.38	
	Welders	3	8	0.00	0.00	
Paving	Cement and Mortar Mixers	1	6	0.00	0.00	0.50
	Pavers	1	6	0.00	0.00	
	Paving Equipment	1	8	0.00	0.00	
	Rollers	1	7	0.00	0.00	
	Tractors/Loaders/Backhoes	1	8	0.50	0.50	
Architectural Coating	Air Compressors	1	6	0.00	0.00	0.0

[1] CalEEMod Defaults

2.2 Operational Assumptions

Operational emissions occur over the life of the project and are considered "long-term" sources of emissions. Operational emissions include both direct and indirect sources. This section briefly describes the operational sources of emissions analyzed for the project.

Mobile Source Emissions

Estimates of mobile source emissions associated with the project are based on trip generation information provided by the *Santa Catalina Townhomes Residential Project Trip Generation & Vehicle Miles Traveled (VMT) Screening Analysis, City of Garden Grove*, prepared by RK and the Institute of Transportation Engineers (ITE) *Trip Generation Manual, 11th Edition*. The TIA Screening estimates that the project will generate a total of approximately 187 gross trips per day.

The project's total vehicle miles traveled is shown in Table 3.

Table 3
Operational Vehicle Miles Traveled[1]

Land Use	Annual Home-Based Vehicle Miles Traveled (VMT)
Condo/Townhouse High Rise	610,838
Parking Lot	--
Total	**610,838**

[1] CalEEMod defaults.

To be conservative, this analysis assumes that 2% of the total trips associated with the project will be heavy trucks with a gross vehicle weight rating (GVWR) of 10,000 pounds or greater. This includes LHD2, MHD, HHD, OBUS, UBUS, and SBUS vehicles (i.e., garbage trucks, urban buses, school buses, etc.). This is a conservative estimate, residential land uses primarily generate trips from passenger vehicles, which produce less emissions compared to heavy trucks. The adjusted vehicle mix is proportioned according to the default CalEEMod vehicle mix.

Energy Source Emissions

Energy usage includes both direct and indirect sources of emissions. Direct sources of emissions include on-site natural gas usage (non-hearth) for heating, while indirect emissions include electricity generated by offsite power plants. Natural gas use is measured in units of thousand British Thermal Units (kBTU) per size metric for each land use subtype and electricity use is measured in kilowatt hours (kWh) per size metric for each land use subtype.

CalEEMod divides building electricity and natural gas use into uses that are subject to Title 24 standards and those that are not. Lighting electricity usage is also calculated as a

separate category in CalEEMod. For electricity, Title 24 uses include the major building envelope systems covered by Part 6 (California Energy Code) of Title 24, such as space heating, space cooling, water heating, and ventilation. Non-Title 24 uses include all other end uses, such as appliances, electronics, and other miscellaneous plug-in uses. Because some lighting is not considered as part of the building envelope energy budget, makes lighting a separate category.

For natural gas, uses are likewise categorized as Title 24 or Non-Title 24. Title 24 uses include building heating and hot water end uses. Non-Title 24 natural gas uses include cooking and appliances.

The baseline values are based on the California Energy Commission (CEC) sponsored California Commercial End Use Survey (CEUS) and Residential Appliance Saturation Survey (RASS) studies.

The project will be required to provide an on-site solar readiness zone, as prescribed by the 2022 Building Energy Efficiency Standards for Residential and Nonresidential Buildings.

In order to assess the project's future energy usage, RK has performed a quantitative energy impact analysis using CEQA energy impact criteria. The energy impact analysis is provided in Section 6.0 of this report.

Area Source Emissions

Area source emissions are direct sources of emissions that fall under four categories: hearths, consumer products, architectural coatings, and landscaping equipment.

Consumer products are various solvents used in non-industrial applications which emit ROGs during their product use. These typically include cleaning supplies, kitchen aerosols, cosmetics, and toiletries.

Other Sources of Operational Emissions

Water. Greenhouse gas emissions are generated from the upstream energy required to supply and treat the water used on the project site. Indirect emissions from water usage are counted as part of the project's overall impact.

Waste. CalEEMod calculates the indirect GHG emissions associated with waste that is disposed of at a landfill. The program uses annual waste disposal rates from the California Department of Resources Recycling and Recovery (CalRecycle) data for individual land uses.

The program quantifies the GHG emissions associated with the decomposition of the waste which generates methane based on the total amount of degradable organic carbon.

The project's estimated water usage and waste generation is reported in Table 4, and an analysis of the associated energy usage is provided in Section 8.0 of this report.

Table 4
Operational Water Usage and Waste Generation

Land Use	Water Usage[1] (gallons/year)			Waste Generation[1] (tons/year)
	Indoor	Outdoor	Total	
Condo/Townhouse High Rise	975,666.90	296,737.81	1,272,404.71	19.11
Parking Lot	--	--	--	--
Total	**975,666.90**	**296,737.81**	**1,272,404.71**	**19.11**

[1] CalEEMod default estimates.

3.0 Air Quality Setting

The Federal Clean Air Act (§ 7602) defines air pollution as any agent or combination of such agents, including any physical, chemical, biological, or radioactive substance which is emitted into or otherwise enters the ambient air. Household combustion devices, motor vehicles, industrial facilities and forest fires are common sources of air pollution. Air pollution can cause disease, allergies and death. It affects soil, water, crops, vegetation, manmade materials, animals, wildlife, weather, visibility, and climate. It can also cause damage to and deterioration of property, present hazards to transportation, and negatively impact the economy.

This section provides background information on criteria air pollutants, the applicable federal, state and local regulations concerning air pollution, and the existing physical setting of the project within the context of local air quality.

3.1 Description of Air Pollutants[2]

The following section describes the air pollutants of concern related to the project. Criteria air pollutants are defined as those pollutants for which the federal and state governments

[2] SCAQMD. Guidance Document for Addressing Air Quality Issues in General Plans and Local Planning (May 6, 2005).

have established air quality standards for outdoor or ambient concentrations to protect public health. The following descriptions of criteria air pollutants have been provided by the SCAQMD.

- **Carbon Monoxide (CO)** is a colorless, odorless, toxic gas produced by incomplete combustion of carbon-containing fuels (e.g., gasoline, diesel fuel, and biomass). Sources include motor vehicle exhaust, industrial processes (metals processing and chemical manufacturing), residential wood burning, and natural sources. CO is somewhat soluble in water; therefore, rainfall and fog can suppress CO conditions. CO enters the body through the lungs, dissolves in the blood, and competes with oxygen, often replacing it in the blood, thus reducing the blood's ability to transport oxygen to vital organs in the body. The ambient air quality standard for carbon monoxide is intended to protect persons whose medical condition already compromises their circulatory system's ability to deliver oxygen. These medical conditions include certain heart ailments, chronic lung diseases, and anemia. Persons with these conditions have reduced exercise capacity even when exposed to relatively low levels of CO. Fetuses are at risk because their blood has an even greater affinity to bind with CO. Smokers are also at risk from ambient CO levels because smoking increases the background level of CO in their blood. The South Coast basin has recently achieved attainment status for carbon monoxide by both USEPA and CARB.

- **Nitrogen Dioxide (NO_2)** is a byproduct of fuel combustion. The principal form of nitrogen oxide produced by combustion is nitric oxide (NO), but NO reacts quickly to form NO_2, creating the mixture of NO and NO_2 commonly called NO_x. NO_2 acts as an acute irritant and, in equal concentrations, is more injurious than NO. At atmospheric concentrations, however, NO_2 is only potentially irritating. There is some indication of a relationship between NO_2 and chronic pulmonary fibrosis. Some increase in bronchitis in young children has also been observed at concentrations below 0.3 parts per million (ppm). NO_2 absorbs blue light which results in a brownish red cast to the atmosphere and reduced visibility. Although NO_2 concentrations have not exceeded national standards since 1991 and the state hourly standard since 1993, NO_x emissions remain of concern because of their contribution to the formation of O_3 and particulate matter.

- **Ozone (O_3)** is one of a number of substances called photochemical oxidants that are formed when volatile organic compounds (VOC) and NO_x react in the presence of ultraviolet sunlight. O_3 concentrations in the South Coast basin are typically among the highest in the nation, and the damaging effects of photochemical smog, which is

a popular name for a number of oxidants in combination, are generally related to the concentrations of O_3. Individuals exercising outdoors, children, and people with preexisting lung disease, such as asthma and chronic pulmonary lung disease, are considered to be the subgroups most susceptible to O_3 effects. Short-term exposures (lasting for a few hours) to O_3 at levels typically observed in southern California can result in breathing pattern changes, reduction of breathing capacity, increased susceptibility to infections, inflammation of the lung tissue, and some immunological changes. In recent years, a correlation between elevated ambient O_3 levels and increases in daily hospital admission rates, as well as mortality, has also been reported. The South Coast Air Basin is designated by the USEPA as an extreme non-attainment area for ozone. Although O_3 concentrations have declined substantially since the early 1990s, the South Coast basin continues to have peak O_3 levels that exceed both state and federal standards.

- **Fine Particulate Matter (PM_{10})** consists of extremely small suspended particles or droplets 10 microns or smaller in diameter that can lodge in the lungs, contributing to respiratory problems. PM_{10} arises from such sources as re-entrained road dust, diesel soot, combustion products, tire and brake abrasion, construction operations, and fires. It is also formed in the atmosphere from NO_x and SO_2 reactions with ammonia. PM_{10} scatters light and significantly reduces visibility. Inhalable particulates pose a serious health hazard, alone or in combination with other pollutants. More than half of the smallest particles inhaled will be deposited in the lungs and can cause permanent lung damage. Inhalable particulates can also have a damaging effect on health by interfering with the body's mechanism for clearing the respiratory tract or by acting as a carrier of an absorbed toxic substance. The South Coast basin has recently achieved federal attainment status for PM_{10}, but is non-attainment based on state requirements.

- **Ultra-Fine Particulate Matter ($PM_{2.5}$)** is defined as particulate matter with a diameter less than 2.5 microns and is a subset of PM_{10}. $PM_{2.5}$ consists mostly of products from the reaction of NO_x and SO_2 with ammonia, secondary organics, finer dust particles, and the combustion of fuels, including diesel soot. $PM_{2.5}$ can cause exacerbation of symptoms in sensitive patients with respiratory or cardiovascular disease, declines in pulmonary function growth in children, and increased risk of premature death from heart or lung diseases in the elderly. Daily fluctuations in $PM_{2.5}$ levels have been related to hospital admissions for acute respiratory conditions, school absences, and increased medication use in children and adults with asthma. The

South Coast basin is designated as non-attainment for $PM_{2.5}$ by both federal and state standards.

- **Sulfur dioxide (SO_2)** is a colorless, pungent gas formed primarily by the combustion of sulfur-containing fossil fuels. Health effects include acute respiratory symptoms and difficulty in breathing for children. Individuals with asthma may experience constriction of airways with exposure to SO_2. Though SO_2 concentrations have been reduced to levels well below state and federal standards, further reductions in SO_2 emissions are needed because SO_2 is a precursor to sulfate and PM_{10}. The South Coast basin is considered a SO_2 attainment area by USEPA and CARB.

- **Lead (Pb)** is a toxic heavy metal that can be emitted into the air through some industrial processes, burning of leaded gasoline and past use of lead-based consumer products. Lead is a neurotoxin that accumulates in soft tissues and bones, damages the nervous system, and causes blood disorders. It is particularly problematic in children, in that permanent brain damage may result, even if blood levels are promptly normalized with treatment. Concentrations of lead once exceeded the state and federal air quality standards by a wide margin, but as a result of the removal of lead from motor vehicle gasoline, ambient air quality standards for lead have not been exceeded since 1982. Though special monitoring sites immediately downwind of lead sources recorded localized violations of the state standard in 1994, no violations have been recorded since. Consequently, the South Coast basin is designated as an attainment area for lead by both the USEPA and CARB. This report does not analyze lead emissions from the project, as it is not expected to emit lead in any significant measurable quantity.

- **Volatile Organic Compounds (VOC),** although not actually a criteria air pollutant, VOCs are regulated by the SCAQMD because they cause chemical reactions which contribute to the formation of ozone. VOCs are also transformed into organic aerosols in the atmosphere, contributing to higher PM_{10} and lower visibility levels. Sources of VOCs include combustion engines, and evaporative emissions associated with fuel, paints and solvents, asphalt paving, and the use of household consumer products such as aerosols. Although health-based standards have not been established for VOCs, health effects can occur from exposures to high concentrations of VOC. Some hydrocarbon components classified as VOC emissions are hazardous air pollutants. Benzene, for example, is a hydrocarbon component of VOC emissions that are known to be a human carcinogen. The term reactive organic gases (ROG) are often used interchangeably with VOC.

- **Toxic Air Contaminants (TACs)** are defined as air pollutants which may cause or contribute to an increase in mortality or serious illness, or which may pose a hazard to human health, and for which there is no concentration that does not present some risk. This contrasts with the criteria pollutants, in that there is no threshold level for TAC exposure below which adverse health impacts are not expected to occur. The majority of the estimated health risk from TACs can be attributed to a relatively few compounds, the most common being diesel particulate matter (DPM) from diesel engine exhaust. In addition to DPM, benzene and 1,3-butadiene are also significant contributors to overall ambient public health risk in California.

3.2 Federal and State Ambient Air Quality Standards

The Federal Clean Air Act, which was last amended in 1990, requires the EPA to set National Ambient Air Quality Standards (NAAQS) for criteria pollutants considered harmful to public health and the environment. The State of California has also established additional and more stringent California Ambient Air Quality Standards (CAAQS) in addition to the seven criteria pollutants designated by the federal government.

AAQS are designed to protect the health and welfare of the populace with a reasonable margin of safety. The standards are divided into two categories, primary standards and secondary standards. Primary standards are implemented to provide protection for the "sensitive" populations such as those with asthma, or the children and elderly. Secondary standards are to provide protection against visible pollution as well as damage to the surrounding environment, including animals, crops, and buildings.

Table 5 shows the Federal and State Ambient Air Quality Standards.

Table 5
Federal and State Ambient Air Quality Standards (AAQS)[1]

Air Pollutant	Averaging Time [2]	Federal Standard (NAAQS)[2]	California Standard (CAAQS)[2]
Ozone	1 Hour	--	0.09 ppm
	8 Hour	0.070 ppm	0.070 ppm
Carbon Monoxide (CO)	1 Hour	35 ppm	20 ppm
	8 Hour	9 ppm	9 ppm
Nitrogen Dioxide (NO_2)	1 Hour	0.100 ppm	0.18 ppm
	Annual	0.053 ppm	0.030 ppm
Sulfur Dioxide (SO_2)	1 Hour	0.075 ppm	0.25 ppm
	3 Hour	0.5 ppm[3]	--
	24 Hour	--	0.04 ppm
Particulate Matter (PM_{10})	24 Hour	150 μg/m^3	50 μg/m^3
	Mean	--	20 μg/m^3
Particulate Matter (PM2.5)	24 Hour	35 μg/m^3	--
	Annual	12 μg/m^3	12 μg/m^3
Lead	30-day	--	1.5 μg/m
	Quarter	1.5 μg/m	--
	3-month average	0.15 μg/m	--
Visibility reducing particles	8 Hour	--	0.23/km extinction coefficient. (10-mile visibility standard)
Sulfates	24 Hour	--	25 μg/m
Vinyl chloride	24 Hour	--	0.01 ppm
Hydrogen sulfide	24 Hour	--	0.03 ppm

[1] Source: USEPA: https://www.epa.gov/criteria-air-pollutants/naaqs-table and
CARB: https://ww2.arb.ca.gov/resources/california-ambient-air-quality-standards
[2] ppm = parts per million of air, by volume; µg/m3 = micrograms per cubic meter; Annual = Annual Arithmetic Mean; 30-day = 30-day average; Quarter = Calendar quarter.
[3] Secondary standards

Several pollutants listed in Table 5 are not addressed in this analysis. Lead is not included because the project is not anticipated to emit lead. Visibility-reducing particles are not explicitly addressed in this analysis because particulate matter is addressed. The project is not expected to generate or be exposed to vinyl chloride because proposed project uses do not utilize the chemical processes that create this pollutant and there are no such uses in the project vicinity. The proposed project is not expected to cause exposure to hydrogen sulfide because it would not generate hydrogen sulfide in any substantial quantity.

3.3 Attainment Status

The Clean Air Act requires states to prepare a State Implementation Plan (SIP) to ensure air quality meets the NAAQS. The California Air Resources Board (CARB) provides designations of attainment for air basins where AAQS are either met or exceeded. If the AAQS are met, the area is designated as being in "attainment", if the air pollutant concentrations exceed the AAQS, then the area is designated as being "nonattainment". If there is inadequate or inconclusive data to make a definitive attainment designation, the area is considered "unclassified."

National nonattainment areas are further designated as marginal, moderate, serious, severe, or extreme as a function of deviation from standards. Each standard has a different definition, or 'form' of what constitutes attainment, based on specific air quality statistics. For example, the Federal 8-hour CO standard is not to be exceeded more than once per year; therefore, an area is in attainment of the CO standard if no more than one 8-hour ambient air monitoring values exceeds the threshold per year. In contrast, the federal annual $PM_{2.5}$ standard is met if the three-year average of the annual average $PM_{2.5}$ concentration is less than or equal to the standard.

When a state submits a request to the EPA to re-designate a nonattainment area to attainment, the Clean Air Act (CAA) section 175A(a) requires that the state (or states, if the area is a multi-state area) submit a maintenance plan ensuring the area can maintain the air quality standard for which the area is to be re-designated for at least 10 years following the effective date of re-designation. Table 6 lists the attainment status for the criteria pollutants in the South Coast Air Basin (SCAB).

Table 6
South Coast Air Basin Attainment Status[1]

Pollutant	State Status	National Status
Ozone	Nonattainment	Nonattainment (Extreme)[2]
Carbon monoxide	Attainment	Attainment (Maintenance)
Nitrogen dioxide	Attainment	Attainment (Maintenance)
PM_{10}	Nonattainment	Attainment (Maintenance)
$PM_{2.5}$	Nonattainment	Nonattainment
Lead	Attainment	Nonattainment (Partial)[3]

[1] Source: California Air Resources Board. http://www.arb.ca.gov/desig/adm/adm.htm
[2] 8-Hour Ozone.
[3] Partial Nonattainment designation – Los Angeles County portion of Basin only.

3.4 South Coast Air Quality Management District (SCAQMD)

The agency responsible for air pollution control for the South Coast Air Basin (SCAB) is the South Coast Air Quality Management District (SCAQMD). SCAQMD is responsible for controlling emissions primarily from stationary sources. SCAQMD maintains air quality monitoring stations throughout the SCAB. SCAQMD, in coordination with the Southern California Association of Governments, is also responsible for developing, updating, and implementing the Air Quality Management Plan (AQMP) for the SCAB. An AQMP is a plan prepared and implemented by an air pollution district for a county or region designated as nonattainment of the federal and/or California ambient air quality standards. The term nonattainment area is used to refer to an air basin where one or more ambient air quality standards are exceeded.

The latest version is the 2022 AQMP, adopted in December 2022. The 2022 AQMP is a regional blueprint for achieving the federal air quality standards and healthful air. While air quality has dramatically improved over the years, the SCAB still exceeds federal public health standards for both ozone and particulate matter (PM) and experiences some of the worst air pollution in the nation. The 2022 AQMP includes both stationary and mobile source strategies to ensure that rapidly approaching attainment deadlines are met, that public health is protected to the maximum extent feasible, and that the region is not faced with burdensome sanctions if the Plan is not approved or if the NAAQS are not met on time.

According to the 2022 AQMP, the most significant air quality challenge in the SCAB is to reduce nitrogen oxide (NOx) emissions sufficiently to meet the upcoming ozone standard deadlines. Based on the inventory and modeling results, the 2022 AQMP projects that 184 tons per day (tpd) of NOx will be emitted in the year 2037 as a result of continued implementation of already adopted regulatory actions ("baseline emissions"). The analysis suggests that in order to meet the ozone standard of 60 tpd, NOx emissions need to be reduced about 67 percent beyond the projected 2037 baseline emissions and about 83 percent below current levels[3].

The SCAQMD CEQA Handbook identifies two key indicators of consistency for proposed projects:

(1) Whether the project will result in an increase in the frequency or severity of existing air quality violations or cause or contribute to new violations or delay timely attainment of air quality standards or the interim emission reductions specified in the AQMP.

(2) Whether the project will exceed the assumptions in the AQMP in 2016 or increments based on the year of project buildout and phase.

4.0 Air Quality Analysis

4.1 SCAQMD Air Quality Significance Thresholds

The SCAQMD has established air quality emissions thresholds for criteria air pollutants for the purpose of determining whether a project may have a significant effect on the environment per Section 15002(g) of the Guidelines for implementing CEQA. Where emissions are below the thresholds of significance, a project would be in compliance with the federal and state air quality standards. The SCAQMD regional air quality thresholds serve as both project-specific and cumulative thresholds.

Table 7 lists the air quality significance thresholds for the six criteria air pollutants analyzed in this report. Lead is not included as part of this analysis as the project is not expected to emit lead in any significant measurable quantity.

[3] Source: *2022 Air Quality Management Plan*, South Coast Air Quality Management District, Adopted December 2, 2022.

Table 7
SCAQMD Regional Air Quality Significance Thresholds

Mass Daily Thresholds[1]		
Pollutant	**Construction (lbs/day)**	**Operation (lbs/day)**
NO_X	100	55
VOC	75	55
PM_{10}	150	150
$PM_{2.5}$	55	55
SO_X	150	150
CO	550	550

[1] Source: SCAQMD CEQA Handbook, 1993

Table 8 lists the Localized Significance Thresholds (LST) used to determine whether a project may generate significant adverse localized air quality impacts. LSTs represent the maximum emissions from a project that are not expected to cause or contribute to an exceedance of the most stringent applicable federal or state ambient air quality standard for four criteria pollutants: oxides of nitrogen, carbon monoxide, particulate matter less than 10 microns in diameter, and particulate matter less than 2.5 microns in diameter. LSTs are developed based on the ambient concentrations of the four applicable air pollutants for each designated Source Receptor Area, based on distance to the nearest sensitive receptor. Here, the LSTs for Source Receptor Area (SRA) 17 – Central Orange County for a 2-acre site at a distance of 25 meters to the nearest sensitive receptor have been utilized. Although the nearest sensitive receptors are located less than 25 meters from the project site, SCAQMD LST methodology states that projects with boundaries located closer than 25 meters to the nearest receptor should use the LSTs for receptors located at 25 meters. (See, e.g., SCAQMD Final LST Methodology Document, Appendix C).

Table 8
SCAQMD Localized Significance Thresholds[1] (LST)

Pollutant	Construction (lbs/day)	Operation (lbs/day)
NO_X	115.0	115.0
CO	715.0	715.0
PM_{10}	6.0	2.0
$PM_{2.5}$	4.0	1.0

[1] Source: SCAQMD Mass Rate Localized Significance Thresholds for a 2-acre site in SRA-17 at 25 meters.

4.2 Air Quality Emissions (lbs/day) – Construction

Construction-related daily air quality emissions include both on-site and off-site emissions associated with the proposed construction of the project.

Table 9 shows the potential project-related regional air quality emissions compared with the established SCAQMD thresholds of significance. As shown in Table 9, daily emissions of criteria pollutants are expected to be below the applicable thresholds.

CalEEMod emissions outputs are provided in Appendix A.

Table 9
Daily Construction Emissions

Maximum Daily Emissions (lbs/day)[1]						
Activity	**VOC**	**NO_x**	**CO**	**SO_2**	**PM_{10}**	**$PM_{2.5}$**
Demolition	1.75	21.76	19.28	0.06	5.75	1.61
Site Preparation	1.46	13.72	13.32	0.02	3.19	1.79
Grading	1.61	18.28	16.79	0.04	4.44	2.24
Building Construction	1.14	9.11	11.13	0.02	0.60	0.37
Paving	0.66	4.68	7.10	0.01	0.37	0.22
Architectural Coating	31.55	0.90	1.32	0.00	0.08	0.04
Maximum[1]	**31.55**	**18.28**	**16.79**	**0.04**	**4.44**	**2.24**
SCAQMD Threshold	75	100	550	150	150	55
Exceeds Threshold (?)	**No**	**No**	**No**	**No**	**No**	**No**

[1] Maximum daily emission during summer or winter; includes both on-site and off-site project emissions.

Table 10 shows the project-related localized air quality emissions compared with the established SCAQMD thresholds of significance. As shown in Table 10, daily localized emissions of criteria pollutants are expected to be below the applicable thresholds.

Table 10
Localized Construction Emissions

Maximum Daily Emissions (lbs/day)[1]				
Activity	**NOx**	**CO**	**PM_{10}**	**$PM_{2.5}$**
On-site Emissions	15.58	16.03	4.31	1.93
SCAQMD Construction Threshold[2]	115.0	715.0	6.0	4.0
Exceeds Threshold (?)	**No**	**No**	**No**	**No**

[1] Maximum daily emission during summer or winter; includes on-site project emissions only.
[2] Source: SCAQMD Mass Rate Localized Significance Thresholds for a 2-acre site in SRA-17 at 25 meters.

The project must follow mandatory SCAQMD rules and requirements with regard to fugitive dust control. Compliance with the standard dust control measures is considered to be part of the conditions of approval for the project and is reflected in the emissions shown in Tables 9 and 10 above.

Tables 9 and 10 show that the project's regional and localized construction emissions will be below the applicable SCAQMD standards and thresholds of significance.

Furthermore, by complying with the SCAQMD regional and localized standards, the project would not contribute to a cumulatively considerable net increase of any criteira pollutant for which the project region is in non-attainment under an applicable Federal or State ambient air quality standard (including releasing emissions that exceed quantitative thresholds for ozone precursors), nor would the project expose sensitive receptors to substantial pollutant concentrations.

Therefore, the project's short-term impact from construction-related air quality emissions will be less than significant.

4.3 Air Quality Emissions (lbs/day) – Operations

Operational daily air quality emissions include both on-site and off-site emissions and represent the worst-case daily emissions levels during summer or winter.

Table 11 shows the potential project-related regional air quality emissions compared with the established SCAQMD thresholds of significance. As shown in Table 11, daily emissions of criteria pollutants are expected to be below the applicable thresholds.

CalEEMod emissions outputs are provided in Appendix A.

Table 11
Regional Operational Emissions

Activity	Air Pollutant Emissions (lbs/day)[1]					
	VOC	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Mobile Sources	0.72	0.52	6.07	0.01	1.40	0.36
Area Sources	1.61	0.50	5.31	0.01	0.42	0.40
Energy Sources	0.01	0.16	0.07	0.00	0.01	0.01
Total	**2.34**	**1.18**	**11.45**	**0.02**	**1.83**	**0.77**
SCAQMD Threshold	55	55	550	150	150	55
Exceeds Threshold (?)	**No**	**No**	**No**	**No**	**No**	**No**

[1] Air pollutant emissions include both on-site and off-site activities and represent the worst-case daily emissions during either summer or winter.

Table 12 shows the project's operational emissions at the local level compared with the established SCAQMD thresholds of significance. Localized emissions include on-site emissions only and represent the worst-case daily emissions levels during summer or winter.

As shown in Table 12, daily localized emissions of criteria pollutants are expected to be below the applicable thresholds.

Table 12
Localized Operational Emissions

Activity	Air Pollutant Emissions (lbs/day)			
	NO_X	CO	PM_{10}	$PM_{2.5}$
On-site Emissions[1]	1.66	5.69	0.50	0.43
SCAQMD Threshold[2]	115.0	715.0	2.0	1.0
Exceeds Threshold (?)	**No**	**No**	**No**	**No**

[1] Localized emissions include the maximum daily on-site emissions during summer or winter. It is estimated that 5% of mobile emissions will occur on-site.
[2] Source: SCAQMD Mass Rate Localized Significance Thresholds for a 2-acre site in SRA-17 at 25 meters.

As shown in Tables 11 and 12, the project's operational emissions will be below the applicable SCAQMD air quality thresholds of significance.

Furthermore, by complying with the SCAQMD regional and localized standards, the project would not contribute to a cumulatively considerable net increase of any criteira pollutant for which the project region is in non-attainment under an applicable Federal or State ambient air quality standard (including releasing emissions that exceed quantitative thresholds for ozone precursors), nor would the project expose sensitive receptors to substantial pollutant concentrations.

Therefore, the project's long-term impact from construction-related air quality emissions will be less than significant.

4.4 Air Toxics Analysis

The SCAQMD does not consider residential land uses to be a major source of toxic air contaminants (TAC) that may result in exposure of sensitive receptors to significant pollutant concentrations. Examples of land uses that are major sources of TACs include distribution centers with heavy truck traffic, rail yards, ports, refineries, chrome plating facilities, dry cleaners, and gasoline dispensing stations.

The project will generate diesel particulate matter (DPM), a known source of TACs, during construction from off-road diesel equipment and trucks. However, the proposed project's construction activity is not expected to be a long-term (i.e., 30 years) source of toxic air contaminant emissions. Due to the significantly reduced risk from short-term exposure, SCAQMD does not typically require the evaluation of long-term cancer risk or chronic health impacts for construction operations for a project of this size.

Given the minimal amount of earthwork and heavy construction equipment expected to be needed for this project, the potential DPM exposure to adjacent sensitive receptors is considered less than significant. To help ensure DPM exposure is further reduced to the extent feasible, the project incudes a design feature that requires all diesel construction equipment to have Tier 4 low emission "clean diesel" engines (OEM or retrofit) that include diesel oxidation catalysts and diesel particulate filters that meet the latest CARB best available control technology.

4.5 Asbestos – Construction

Asbestos is a carcinogen and is categorized as a hazardous air pollutant by the Environmental Protection Agency (EPA) and regulated through the National Emissions Standards for Hazardous Air Pollutants (NESHAP). Asbestos fibers imbedded within construction materials become a health hazard once they are disturbed and rendered airborne, such as through physical contact like building renovation and demolition activities.

The project proposes demolishing existing structures which may contain asbestos and will be required to comply with the requirements established in SCAQMD Rule 1403. SCAQMD Rule 1403 establishes the survey requirements, notification, and work practices to prevent asbestos emissions from emanating during building renovation and demolition activities. Compliance with Rule 1403 will ensure that the project does not result in emissions (such as those leading to odors) that would adversely affect a substantial number of people. Therefore, the project impact from construction-related asbestos emissions would be less than significant.

4.6 SCAQMD Air Quality Management Plan Consistency

The purpose of this discussion is to address project consistency with the assumptions and objectives of the AQMD and to assess whether the proposed project would hinder the region's compliance with Federal and State air quality standards.

The SCAQMD CEQA Handbook states that "New or amended General Plan Elements (including land use zoning and density amendments), Specific Plans, and significant projects must be analyzed for consistency with the AQMP." Strict consistency with all aspects of the plan is usually not required. A proposed project should be considered consistent with the AQMP if it furthers one or more policies and does not obstruct other policies.

The SCAQMD CEQA Handbook identifies two key indicators of consistency:

(1) Whether the project will result in an increase in the frequency or severity of existing air quality violations or cause or contribute to new violations or delay timely attainment of air quality standards or the interim emission reductions specified in the AQMP.

(2) Whether the project will exceed the assumptions in the AQMP in 2016 or increments based on the year of project buildout and phase.

Criterion 1 – Increase in the Frequency or Severity of Violations

As discussed in the above analyses, the proposed project will not result in short-term or long-term emissions that exceed the SCAQMD regional and local thresholds of significance. Therefore, the project would not result in an increase in the frequency or severity of existing air quality violations, cause or contribute to new violations, or delay timely attainment of air quality standards. Hence, the proposed project is found to be consistent with AQMD Criterion 1.

Criterion 2 – Exceed Assumptions in the AQMP

The AQMP incorporates land use assumptions from local general plans and regional growth projections developed by SCAG to estimate stationary and mobile air emissions associated with projected population and planned land uses, namely SCAG's 2020 Regional Transportation Plan/Sustainable Communities Strategy (RTP). If the proposed land use is consistent with the local general plan, then the impact of the project is presumed to have been accounted for in the AQMP. This is because the land use and transportation control sections of the AQMP are based on the SCAG regional growth forecasts, which incorporates projections from local general plans.

The Project Site is located in the Single-Family Residential Zone (R-1-6), with a land use designation of Low Density Residential. A tentative parcel map and tentative tract map are proposed to divide the Project Site from the larger parent parcel. The proposed parcel will require a general plan amendment to Low Medium Density Residential (LMR) and a zone change to R-3, which is consistent with the surrounding land uses and allows for the development of up to 32 dwelling units per acre (City of Garden Grove Municipal Code, GGMC Section 9.12.040.020).

Although the residential development will lead to population growth as the current site is paved with asphalt, the population growth associated with Project implementation would

be approximately 92 persons[4]. The SCAQMD AQMP forecasts that the SCAB region will experience a population growth of 12 percent between 2018 and 2037. The AQMP does not specify population growth by individual cities. Therefore, the City-specific population growth analysis relies on data from the California Department of Finance. According to the California Department of Finance[5], the City had a total population of 171,024 persons in 2024. Construction and operation of the Project could increase the City's population by approximately 0.05 percent (92 new residents). Therefore, the Project would not cause exceedances in the population growth projection (12 percent) assumed by the SCAQMD to develop the AQMP. Thus, the Proposed Project is not anticipated to exceed the AQMP assumptions for the Project Site and is found to be consistent with the AQMP for Criterion 2.

4.7 Summary of Air Quality Impacts

The following section evaluates the potential significance of project air quality impacts according to CEQA criteria.

[4] Assumes 3.51 persons per household, as per United States Census QuickFacts, U.S. Census Bureau QuickFacts: Garden Grove city, California . Accessed June 26, 2024.

[5] E-5 City/County Population and Housing Estimates, California Department of Finance (CDF), January 2021-2024, with 2020 Benchmark, June 2024, https://dof.ca.gov/forecasting/demographics/estimates/e-5-population-and-housing-estimates-for-cities-counties-and-the-state-2020-2024/. Accessed June 26, 2024.

Table 13
CEQA Air Quality Impact Criteria

Air Quality Impact Criteria	Potentially Significant	Potentially Significant Unless Mitigated	Less Than Significant Impact	No Impact
Would the project:				
a) Conflict with, or obstruct implementation of, the applicable air quality plan?			X	
b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is in non-attainment under an applicable Federal or State ambient air quality standard?			X	
c) Expose sensitive receptors to substantial pollutant concentrations?			X	
d) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?			X	

4.0 Greenhouse Gas Analysis

The following section evaluates the proposed project's potential GHG impacts. GHG emissions are quantified for on-site and off-site operational activity using CalEEMod.

4.1 Greenhouse Gas Regulatory Setting

The City of Garden Grove does not have a Climate Action Plan to specifically address GHG reductions, but there are numerous State plans, policies, and regulations adopted for the purpose of reducing GHG emissions. The principal overall State plan and policy is AB 32, which focuses on reducing GHG emissions in California to 1990 levels by 2020. This goal is further supplemented by SB 32 and Executive Order B-30-15, which established a reduction target of at least 40 percent below 1990 emissions by 2030, and Executive Order S-3-05, which established a reduction target of at least 80 percent below 1990 emissions by 2050.

A specific requirement of AB 32 was to prepare a Climate Change Scoping Plan for achieving the maximum technologically feasible and cost-effective GHG emission reduction by 2020. The City of Garden Grove does not currently have a Climate Action Plan; therefore, the project has been compared to the goals of the CARB Scoping Plan. The CARB Board approved a Climate Change Scoping Plan in December 2008 and updated the plan in 2014, approved a new Climate Change Scoping Plan in 2017, and the most recent

Climate Change Scoping Plan in 2022. As the 2022 Scoping Plan builds upon previous versions, project consistency with applicable strategies of the 2008, 2017, and 2022 Plan are assessed in Table 14 below. As shown below, the project is consistent with the applicable strategies within the Scoping Plan.

Table 14
Project Consistency with CARB Scoping Plan Policies and Measures

2008 Scoping Plan Measures to Reduce Greenhouse Gas Emissions	Project Compliance with Measure
California Light-Duty Vehicle Greenhouse Gas Standards – Implement adopted standards and planned second phase of the program. Align zero- emission vehicle, alternative and renewable fuel and vehicle technology programs with long-term climate change goals.	No Conflict. These are CARB enforced standards; vehicles that access the project (that are required to comply with the standards) will comply with the strategy.
Energy Efficiency – Maximize energy efficiency building and appliance standards; pursue additional efficiency including new technologies, policy, and implementation mechanisms. Pursue comparable investment in energy efficiency from all retail providers of electricity in California.	No Conflict. The project will be compliant with the current Title 24 standards.
Vehicle Efficiency Measures – Implement light-duty vehicle efficiency measures.	No Conflict. These are CARB enforced standards; vehicles that access the project (that are required to comply with the standards) will comply with the strategy.
Medium/Heavy-Duty Vehicles – Adopt medium and heavy-duty vehicle efficiency measures.	No Conflict. These are CARB enforced standards; vehicles that access the project (that are required to comply with the standards) will comply with the strategy.
Green Building Strategy – Expand the use of green building practices to reduce the carbon footprint of California's new and existing inventory of buildings.	No Conflict. The California Green Building Standards Code (proposed Part 11, Title 24) was adopted as part of the California Building Standards Code in the CCR. Part 11 establishes voluntary standards, that are mandatory in the 2019 edition of the Code, on planning and design for sustainable site development, energy efficiency (in excess of the California Energy Code requirements), water conservation, material conservation, and internal air contaminants. In addition, the 2022 edition of the Code took effect January 1, 2023. The project will be subject to these mandatory standards.
High Global Warming Potential Gases – Adopt measures to reduce high global warming potential gases.	No Conflict. CARB identified five measures that reduce HFC emissions from vehicular and commercial refrigeration systems; vehicles that access the project that are required to comply with the measures will comply with the strategy.
Recycling and Waste – Reduce methane emissions at landfills. Increase waste diversion, composting, and commercial recycling. Move toward zero waste.	No Conflict. The project will participate in the City's existing waste, organics, and recycling program.

Table 14
Project Consistency with CARB Scoping Plan Policies and Measures

Water – Continue efficiency programs and use cleaner energy sources to move and treat water.	No Conflict. The project will comply with all applicable City ordinances and CAL Green requirements.
2017 Scoping Plan Recommended Actions to Reduce Greenhouse Gas Emissions	**Project Compliance with Recommended Action**
Implement Mobile Source Strategy: Further increase GHG stringency on all light-duty vehicles beyond existing Advanced Clean Car regulations.	No Conflict. These are CARB enforced standards; vehicles that access the project (that are required to comply with the standards) will comply with the strategy.
Implement Mobile Source Strategy: At least 1.5 million zero emission and plug-in hybrid light-duty electric vehicles by 2025 and at least 4.2 million zero emission and plug-in hybrid light-duty electric vehicles by 2030.	No Conflict. These are CARB enforced standards; vehicles that access the project (that are required to comply with the standards) will comply with the strategy.
Implement Mobile Source Strategy: Innovative Clean Transit: Transition to a suite of to-be-determined innovative clean transit options. Assumed 20 percent of new urban buses purchased beginning in 2018 will be zero emission buses with the penetration of zero-emission technology ramped up to 100 percent of new sales in 2030. Also, new natural gas buses, starting in 2018, and diesel buses, starting in 2020, meet the optional heavy-duty low-NOX standard.	No Conflict. These are CARB enforced standards; vehicles that access the project (that are required to comply with the standards) will comply with the strategy.
Implement Mobile Source Strategy: Last Mile Delivery: New regulation that would result in the use of low NOX or cleaner engines and the deployment of increasing numbers of zero-emission trucks primarily for class 3-7 last mile delivery trucks in California. This measure assumes ZEVs comprise 2.5 percent of new Class 3–7 truck sales in local fleets starting in 2020, increasing to 10 percent in 2025 and remaining flat through 2030.	No Conflict. These are CARB enforced standards; vehicles that access the project (that are required to comply with the standards) will comply with the strategy.
Implement SB 350 by 2030: Establish annual targets for statewide energy efficiency savings and demand reduction that will achieve a cumulative doubling of statewide energy efficiency savings in electricity and natural gas end uses by 2030.	No Conflict. These are CARB enforced standards
By 2019, develop regulations and programs to support organic waste landfill reduction goals in the SLCP and SB 1383.	No Conflict. The project will be required to comply with City programs which comply with the 75 percent reduction required by 2020 per AB 341.
2022 Scoping Plan Priority Key Actions and Recommendations	**Project Compliance with Recommended Actions**
100 percent of light-duty vehicle sales are ZEVs by 2035.	Not Applicable. This action is in regard to vehicle sales, with an aim to have 100 percent of light-duty vehicle sales be ZEVs by 2035. The Proposed Project is a multi-family residential development and would not interfere with such

Table 14
Project Consistency with CARB Scoping Plan Policies and Measures

	policymaking.
VMT per capita reduced 25 percent below 2019 levels by 2030 and 30 percent below 2019 levels by 2045.	No Conflict. The Project would not result in an unmitigated impact to VMT. The Project is a 26-unit residential development located in close proximity to existing roadways and commercial uses. Therefore, the Project would be anticipated to contribute to a reduction in VMT per capita.
All electric appliances in new construction beginning 2026 (residential) and 2029 (commercial).	No Conflict. The California Green Building Standards Code (proposed Part 11, Title 24) was adopted as part of the California Building Standards Code in the CCR. Part 11 establishes voluntary standards, that are mandatory in the 2019 edition of the Code, on planning and design for sustainable site development, energy efficiency (in excess of the California Energy Code requirements), water conservation, material conservation, and internal air contaminants. In addition, the 2022 edition of the Code took effect January 1, 2023. The project will be subject to these mandatory standards.
For existing residential buildings, 80 percent of appliance sales are electric by 2030 and 100 percent of appliance sales are electric by 2035 (appliances replaced at end of life). For existing commercial buildings, 80 percent of appliance sales are electric by 2030 and 100 percent of appliance sales are electric by 2045 (appliances replaced at end of life)	Not Applicable. This action is in regard to appliance sales and the Proposed Project would not interfere with such policymaking. Furthermore, although this action is not necessarily applicable on a project-specific basis, the Proposed Project is subject to the California Green Building Standards Code (proposed Part 11, Title 24) which was adopted as part of the California Building Standards Code in the CCR. Part 11 establishes voluntary standards, that are mandatory in the 2019 edition of the Code, on planning and design for sustainable site development, energy efficiency (in excess of the California Energy Code requirements), water conservation, material conservation, and internal air contaminants. In addition, the 2022 edition of the Code took effect January 1, 2023. The project will be subject to these mandatory standards.

4.2 SCAQMD Greenhouse Gas (GHG) Interim Significance Thresholds

The SCAQMD published its *Interim CEQA Greenhouse Gas (GHG) Significance Thresholds* in December 2008. SCAQMD's goal in issuing the GHG guidelines was to set a performance standard aimed at reducing GHG emissions below 1990 levels. This aligns with Executive Order B-30-15, which mandates that GHG levels be reduced to 80% of 1990 levels by 2050.

In the absence of a formal threshold established by the State, SCAQMD's interim GHG thresholds have been used by lead agencies in determining the significance of GHG emissions in CEQA. SCAQMD guidance describes a five-tiered approach for determining significance. Tier 3 is the primary method used for development projects of this size and is the approach used in this analysis. The Tier 3 approach limits the amount of GHG emissions from residential and commercial development projects to 3,000 metric tons of CO_2 equivalents per year ($MTCO_2e$/yr).

If the project exceeds 3,000 $MTCO_2e$/yr, then the impact is considered significant, and mitigation measures would be required to reduce emissions below the threshold.

4.3 GHG Emissions ($MTCO_2e$/yr) – Construction

Greenhouse gas (GHG) emissions are estimated for on-site off-site construction activity using CalEEMod.

Table 15 shows the project's construction related GHG emissions, including equipment and worker vehicle emissions for all phases of construction.

Table 15
Construction Greenhouse Gas Emissions

Activity	Emissions ($MTC0_2e$)[1]		
	On-site	Off-site	Total
Demolition	22.70	46.97	69.67
Site Preparation	2.01	0.10	2.11
Grading	4.47	6.55	11.02
Building Construction	163.96	30.43	194.39
Paving	4.51	0.74	5.25
Architectural Coating	0.61	0.22	0.83
Total	198.27	85.01	283.27
Amortized over 30 years[2]	**6.61**	**2.83**	**9.44**

[1] $MTCO_2e$ = metric tons of carbon dioxide equivalents (includes carbon dioxide, methane, nitrous oxide, and/or hydrofluorocarbon).

[2] The emissions are amortized over 30 years and added to the operational emissions, pursuant to SCAQMD recommendations.

Because impacts from construction-related activities occur over a relatively short period of time, they contribute to a relatively small portion of the overall lifetime project GHG emissions, and GHG emissions reduction measures for construction equipment are relatively limited. Therefore, the SCAQMD recommends that construction emissions be amortized over a 30-year project lifetime and added to the overall project operational emissions[6]. In doing so, construction GHG emissions are included in the overall contribution of the project, as further discussed in the following section.

4.4 GHG Emissions ($MTCO_2e$/yr) – Operation

GHG emissions are estimated for on-site and off-site operational activity using CalEEMod. Table 16 shows the project's potential operational GHG emissions, including those resulting from mobile, area, energy, water, waste, and refrigerant sources. Operational emissions include amortized construction emissions, pursuant to SCAQMD recommendations.

CalEEMod emissions outputs are provided in Appendix A.

Table 16
Operational Greenhouse Gas Emissions

Activity	Annual GHG Emissions ($MTCO_2e$)[1]
Mobile Source	205.05
Area Source	7.65
Energy Source	66.55
Water	3.32
Waste	5.96
Refrigerant	0.06
Construction (30-year amortization)	9.44
Total Annual Emissions	**298.03**
SCAQMD Tier 3 Significance Threshold	3,000 MTCO2e/year
Exceed Tier 3 Threshold?	**No**

[1] $MTCO_2e$ = metric tons of carbon dioxide equivalents

As shown in Table 16, the proposed project's GHG emissions are not expected to exceed the SCAQMD GHG emissions threshold of 3,000 $MTCO_2e$. Therefore, the project impact from GHG emissions would be less than significant.

[6] SCAQMD. Interim CEQA GHG Significance Thresholds. Page 3-10. 2008

4.4 Summary of Greenhouse Gas Impacts

The following section evaluates the potential significance of project greenhouse gas impacts according to CEQA criteria.

Table 17
CEQA GHG Impact Criteria

GHG Impact Criteria	Potentially Significant	Potentially Significant Unless Mitigated	Less Than Significant Impact	No Impact
Would the project:				
a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?			X	
b) Conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing emissions of greenhouse gases?			X	

6.0 Energy Impact Analysis

6.1 Study Objectives

The purpose of this energy conservation analysis is to review the energy implications of the proposed project and provide recommendations to reduce wasteful, inefficient, and unnecessary consumption of energy during the operation of the project. This analysis has been prepared within the context of the California Environmental Quality Act (CEQA, California Public Resources Code Sections 21000, et seq.).

CEQA Guidelines, Appendix F, Energy Conservation, describes the framework within which energy conservation should be analyzed. Conserving energy implies the wise and efficient use of energy through decreasing overall per capita energy consumption, decreasing reliance on fossil fuels (such as coal, natural gas, and oil), and increasing reliance on renewable energy sources.

6.2 Project Energy Consumption

The three (3) main types of energy expected to be consumed by the proposed project include electricity, natural gas, and petroleum products in the form of gasoline and diesel fuel.

CalEEMod is used to calculate energy usage associated with the construction and operation of the project. The CalEEMod calculation sheets for the project are provided in Appendix A.

Electricity Consumption

The project will use electricity for operational activities including, but not limited to, building heating and cooling, lighting, appliances, electronics, mechanical equipment, and parking lot lighting. Indirect electricity usage will also be required to supply, distribute, and treat water and wastewater. Electricity will be provided to the site by Southern California Edison.

Temporary electricity usage for construction activities may include lighting, electric equipment, and mobile office uses. However, CalEEMod does not calculate electricity usage during construction. Electricity usage during construction is expected to be short-term and relatively minor compared to the operational demand. Therefore, construction-related electricity usage is not included in this analysis.

Table 18 shows the project's estimated, potential operational electricity consumption in kilowatt-hours per year (kWh/yr) and millions of BTU per year (MBTU/yr).

Table 18
Project Electricity Consumption[1]

Land Use/Activity	Electricity Consumption	
	(kWh/yr)[2]	(MBTU/yr)[3]
Condo/Townhouse	119,396.28	407.38
Parking Lot	18,113.93	61.80
Water Supply and Treatment	8,661.26	29.55
Total	**146,171.47**	**498.73**

[1] Source: CalEEMod defaults.
[2] kWh/yr = Kilowatt hours per year
MBTU/yr = Million British Thermal Units per year

Natural Gas Consumption

The project will use natural gas for such things as building heating and cooling and gas water heaters. Natural gas is not expected to be used during construction in any significant quantities and is not included in the overall calculation of the project's natural gas consumption.

Table 19 shows the project's estimated, potential operational natural gas consumption in MBTU/yr.

Table 19
Project Natural Gas Consumption[1]

Land Use/Activity	Natural Gas Consumption (MBTU/yr)[2]
Condo/Townhouse	624.79
Parking Lot	-
Total	**624.79**

[1] Source: CalEEMod Defaults.
[2] MBTU/yr = Million British Thermal Units per year

Petroleum Consumption

The project's energy consumption from petroleum products is primarily associated with transportation-related activities. This includes gasoline and diesel fuel usage for auto and truck trips during construction and operation and off-road equipment usage during construction.

The EMFAC2021 vehicle fuel consumption data used for this analysis is provided in Appendix B.

Construction of the project is expected to consist of site preparation, grading, building construction, paving, and architectural coating phases. Construction activities will consume energy in the form of motor vehicle fuel (gasoline and diesel) for off-road construction equipment and on-road vehicle trips. Vehicle trips include workers and vendors traveling to and from the project site.

Tables 20 and 21 show the project's energy consumption for all off-road and on-road equipment during construction, respectively. For the purposes of this analysis, all off-road equipment is assumed to run on diesel fuel.

Table 20
Construction Off-Road Equipment Energy Consumption

Phase[1]	Phase Duration (Days)[1]	Equipment[1]	Amount[1]	Hours/ Day[1]	Horspower (HP)[1]	Load Factor[1]	HP-hrs[2]	Fuel Consumption Rate[3] (hp-hr/gal)	Diesel Fuel Consumption (gal.)	Diesel Fuel Consumption by Phase (gal.)	MBtu[4]
Demolition	20	Concrete/Industrial Saws	1	8	33	0.73	3,854.4	18.5	208.3	2,284.37	313.83
		Rubber Tired Dozers	1	8	367	0.40	23,488.0		1,269.6		
		Tractors/Loaders/Backhoes	3	8	84	0.37	14,918.4		806.4		
Site Preparation	2	Graders	1	8	148	0.41	970.9		52.5	190.45	26.16
		Rubber Tired Dozers	1	7	367	0.40	2,055.2		111.1		
		Tractors/Loaders/Backhoes	1	8	84	0.37	497.3		26.9		
Grading	4	Graders	1	8	148	0.41	1,941.8		105.0	452.96	62.23
		Rubber Tired Dozers	1	8	367	0.40	4,697.6		253.9		
		Tractors/Loaders/Backhoes	2	7	84	0.37	1,740.5		94.1		
Building Construction	200	Cranes	1	6	367	0.29	127,716.0		6,903.6	16,250.16	2,232.46
		Forklifts	1	6	82	0.20	19,680.0		1,063.8		
		Generator Sets	1	8	14	0.74	16,576.0		896.0		
		Tractors/Loaders/Backhoes	1	6	84	0.37	37,296.0		2,016.0		
		Welders	3	8	46	0.45	99,360.0		5,370.8		
Paving	10	Cement and Mortar Mixers	1	6	10	0.56	336.0		18.2	453.21	62.26
		Pavers	1	6	81	0.42	2,041.2		110.3		
		Paving Equipment	1	8	89	0.36	2,563.2		138.6		
		Rollers	1	7	36	0.38	957.6		51.8		
		Tractors/Loaders/Backhoes	1	8	84	0.37	2,486.4		134.4		
Architectural Coating	10	Air Compressors	1	6	37	0.48	1,065.6		57.6	57.60	7.91
								Total Energy Requirements		**19,688.75**	**2,704.85**

[1] Source: CalEEMod Defaults (CalEEMod v.2022.1.1)

[2] HP-hrs = Horsepower Hours.

[3] Source: Carl Moyer Program Guidelines. 2017 Revisions. Table D-21. https://www.arb.ca.gov/msprog/moyer/guidelines/current.htm

[4] Mbtu = Millions of Btu; assuming 1 gallon of diesel fuel = 137,381 Btu.

Table 21
Construction On-Road Trips Energy Consumption

Construction Phase[1]	Phase Duration (Days)[1]	Trips /Day[1]	Trip Length[1]	Phase VMT	Vehicle Class[1]	Vehicle Mix[1]	Average Fuel Economy (MPG)[2]	Gasoline			Diesel			Total MBtu[3]
								Fuel Split[2]	Fuel Consumption by Veh. Class (gal.)	Fuel Consumption by Phase (gal.)	Fuel Split[2]	Fuel Consumption by Veh. Class (gal.)	Fuel Consumption by Phase	
Worker Trips														
Demolition	20	13	18.5	4,625	LDA	0.50	29.94	0.9986	77.12	170.46	0.0014	0.11	0.24	20.56
					LDT1	0.25	24.89	0.9998	46.45		0.0002	0.01		
					LDT2	0.25	24.59	0.9974	46.89		0.0026	0.12		
Site Preparation	2	8	18.5	278	LDA	0.50	29.94	0.9986	4.63	10.23	0.0014	0.01	0.01	1.23
					LDT1	0.25	24.89	0.9998	2.79		0.0002	0.00		
					LDT2	0.25	24.59	0.9974	2.81		0.0026	0.01		
Grading	4	10	18.5	740	LDA	0.50	29.94	0.9986	12.34	27.27	0.0014	0.02	0.04	3.29
					LDT1	0.25	24.89	0.9998	7.43		0.0002	0.00		
					LDT2	0.25	24.59	0.9974	7.50		0.0026	0.02		
Building Construction	200	19	18.5	69,264	LDA	0.50	29.94	0.9986	1,154.92	2,552.82	0.0014	1.61	3.60	307.93
					LDT1	0.25	24.89	0.9998	695.70		0.0002	0.13		
					LDT2	0.25	24.59	0.9974	702.20		0.0026	1.86		
Paving	10	13	18.5	2,313	LDA	0.50	29.94	0.9986	38.56	85.23	0.0014	0.05	0.12	10.28
					LDT1	0.25	24.89	0.9998	23.23		0.0002	0.00		
					LDT2	0.25	24.59	0.9974	23.44		0.0026	0.06		
Architectural Coating	10	4	18.5	693	LDA	0.50	29.94	0.9986	11.55	25.53	0.0014	0.02	0.04	3.08
					LDT1	0.25	24.89	0.9998	6.96		0.0002	0.00		
					LDT2	0.25	24.59	0.9974	7.02		0.0026	0.02		
Sub-Total Worker Trips Energy Consumption									Gasoline (gal.)	2,871.55		Diesel (gal.)	4.05	346.37
Vendor Trips														
Building Construction	200	3	10.2	5,670	MHDT	0.50	7.79	0.3129	113.85	114.06	0.6871	250.00	711.61	111.50
					HHDT	0.50	6.14	0.0005	0.21		0.9995	461.61		
Sub-Total Vendor Trips Energy Consumption									Gasoline (gal.)	114.06		Diesel (gal.)	711.61	111.50
Hauling Trips														
Demolition	20	67	20.0	26900	HHDT	1.00	6.14	0.0005	1.98	1.98	0.9995	4380.03	4380.03	601.97
Grading	4	48	20.0	3800	HHDT	1.00	6.14	0.0005	0.28	0.28	0.9995	618.74	618.74	85.04
Sub-Total Hauling Trips Energy Consumption									Gasoline (gal.)	2.26		Diesel (gal.)	4,998.76	687.01
Total On-Road Construction Trips Energy Consumption									**Gasoline (gal.)**	**2,987.87**		**Diesel (gal.)**	**5,714.42**	**1,144.88**

[1] Source: CalEEMod Defaults (CalEEMod v.2022.1.1)
[2] Source: EMFAC2021 Web Database. https://www.arb.ca.gov/emfac/2021/. (See Appendix C for more details.)
[3] Mbtu = Millions of Btu; assuming 1 gallon of gasoline fuel = 120,429 Btu and 1 gallon of diesel fuel = 137,381 Btu

During operations, the project is expected to consume energy from auto and truck trips generated by the proposed land uses. Operational vehicle trips are associated with workers, customers, and vendors/non-workers (i.e., delivery, service, maintenance, etc.) traveling to and from the site.

Table 22 shows the project's potential annual petroleum energy consumption for all operational trips.

Table 22
Operational Trips Energy Consumption - Annual

Vehicle Class	Vehicle Mix	Average Fuel Economy (MPG)	Annual VMT	Gasoline		Diesel		MBtu
				Fuel Split	Fuel Consumption (gal.)	Fuel Split	Fuel Consumption (gal.)	
LDA	50.67%	29.94	610,838	0.9986	10,321.66	0.0014	14.42	1,245.01
LDT1	4.20%	24.89		0.9998	1,031.49	0.0002	0.19	124.25
LDT2	23.48%	24.59		0.9974	5,815.51	0.0026	15.43	702.48
MDV	14.66%	20.00		0.9896	4,430.36	0.0104	46.74	539.97
LHD1	2.78%	15.84		0.7199	770.74	0.2801	299.92	134.02
LHD2	0.42%	15.05		0.4505	76.42	0.5495	93.20	22.01
MHD	0.91%	7.79		0.3129	223.97	0.6871	491.81	94.54
HHD	0.33%	6.14		0.0005	0.15	0.9995	327.20	44.97
OBUS	0.04%	6.01		0.5471	20.06	0.4529	16.61	4.70
UBUS	0.02%	7.01		0.9852	18.36	0.0148	0.28	2.25
MCY	2.21%	41.68		1.0000	324.32	0.0000	0.00	39.06
SBUS	0.06%	8.34		0.6144	25.91	0.3856	16.26	5.35
MH	0.22%	5.77		0.8268	197.00	0.1732	41.27	29.39
Total Operational Trips Energy Usage				Gasoline Consumption (gal.)	23,255.95	Diesel Consumption (gal.)	1,363.33	2,988.00

6.3 Summary of Project Energy Consumption

Table 23 provides a summary of the project's potential annual operational energy consumption.

Table 23
Annual Energy Consumption

Activity	Energy Consumption (MBTU/yr)[1]
Electricity	498.73
Natural Gas	624.79
Petroleum	2,988.00
Total	**4,111.52**

[1] MBTU/yr = Million British Thermal Units per year.

6.4 Energy Impacts

This analysis has been prepared within the context of the CEQA Guidelines, Appendix F, Energy Conservation, and Appendix G, Environmental Checklist Form. According to CEQA, the goal of conserving energy includes the wise and efficient use of energy through decreasing overall per capita energy consumption, decreasing reliance on fossil fuels (such as coal, natural gas, and oil), and increasing reliance on renewable energy sources.

A significant environmental impact would result if the project would:

a) Result in potentially significant environmental impacts due to wasteful, inefficient, or unnecessary consumption of energy resources during project construction or operation, or;

b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency.

<u>*Energy Impact – A*</u>

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

The proposed project will be required to comply with the State of California's 2022 Building Energy Efficiency Standards. These standards incorporate several measures to enhance energy efficiency and promote renewable energy use. In particular, the code encourages the use of efficient electric heat pumps and improved insulation standards, including the use of high-performance insulation materials as well as energy-efficient windows and doors. These standards minimize heat loss and gain, reducing the energy required for building heating and cooling.

Furthermore, the code mandates energy-efficient lighting systems and appliances. This includes the requirement for LED lighting and ENERGY STAR-rated appliances, which are designed to use less energy compared with traditional lighting and appliances. Moreover, the code expands requirements for solar photovoltaic systems and battery storage for residential land uses.

In addition to implementing the required measures described above, the proposed project will include the following design feature:

10. The project will comply with the mandatory requirements of the California Building Standards Code, Title 24, Part 6 (Energy Code) and Part 11 (CALGreen), including, but not limited to:

    - Install low-flow fixtures and toilets, water-efficient irrigation systems, drought tolerant/native landscaping, and reduce the amount of turf.
    - Provide the necessary infrastructure to support electric vehicle charging.
    - Provide solar installations (or other sources of on-site renewable energy) per the prescribed Energy Design Ratings.

By implementing the above design feature, the project will be consistent with the provisions of the 2022 Building Energy Efficiency Standards. Furthermore, by providing renewable sources of energy, the project will satisfy recent court rulings which indicate that when determining if a project would have a potentially significant impact to energy conservation, the analysis should discuss whether any renewable energy features could be incorporated into the project[7].

As a result, the project impact is considered less than significant under Criterion A.

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[7] *League to Save Lake Tahoe Mountain Area Preservation Foundation, et al. v. County of Placer, et al.*

Energy Impact – B

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

The project is not expected to conflict with or obstruct a state or local plan for renewable energy or energy efficiency.

As described in the section above, the project will comply with the State of California's 2022 Building Energy Efficiency Standards by adhering to mandatory requirements such as the use of efficient electric heat pumps, high-performance insulation materials, energy-efficient windows and doors, and energy-efficient lighting systems and appliances. Furthermore, the proposed project will include solar installations or other sources of onsite renewable energy, in accordance with the prescribed Energy Design Ratings.

Furthermore, by adhering to the requirements outlined in the State's 2022 Building Energy Efficiency Standards, the project will also align with the goals set forth in the City of Garden Grove General Plan Conservation Element. This plan similarly encourages the installation of solar panels on residential and commercial buildings and the adoption of energy-efficient building designs.

Finally, it should be noted that the project will purchase electricity through Southern California Edison which is subject to the requirements of California Senate Bill 100 (SB 100). SB 100 is the most stringent and current energy legislation in California, requiring that renewable energy resources and zero-carbon resources supply 100% of retail sales of electricity to California end-use customers and 100% of electricity procured to serve all state agencies by December 31, 2045[8].

As a result, the project impact is considered less than significant under Criterion B.

[8] SB-100 California Renewables Portfolio Standard Program.
http://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201720180SB100

7.0 Conclusion

RK ENGINEERING GROUP, INC. has completed this Air Quality, Greenhouse Gas, and Energy Analysis for the proposed Santa Catalina Townhomes Project. Based upon this review, the proposed project's impact from air quality emissions, GHG emissions, and energy usage is considered less than significant. If you have any questions regarding this study, or would like further review, please do not hesitate to contact us at (949) 474-0809 or be@rkengineer.com.

Sincerely,

RK ENGINEERING GROUP, INC.

Bryan Estrada, AICP, PTP
Principal

Becca Morrison
Environmental Specialist

Exhibits

Exhibit A

Location Map

Legend:

= Project Site Boundary

= Project Site

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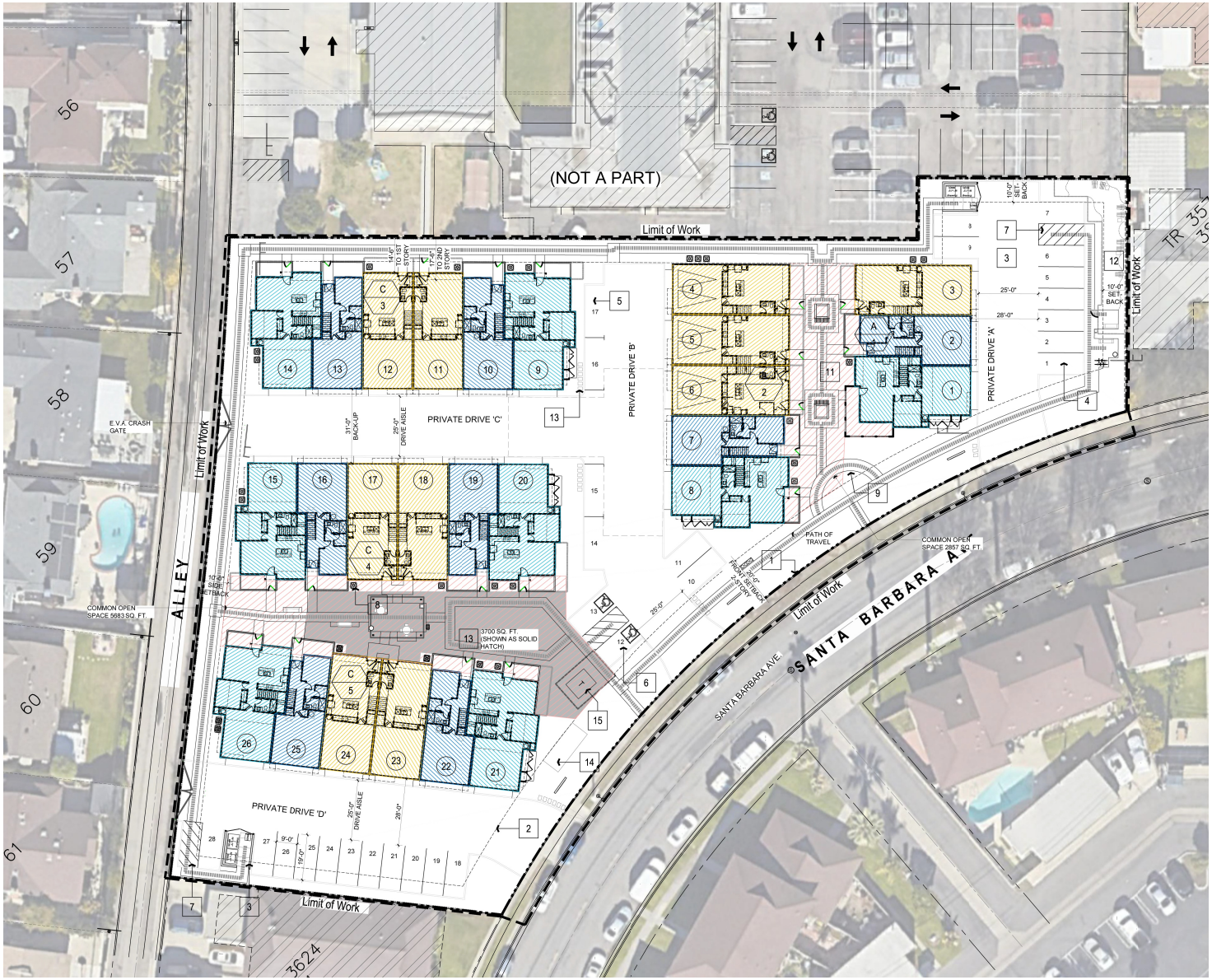
Exhibit B

Site Plan



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RK engineering group, inc.

Appendices

Appendix A

CalEEMod Emissions Outputs

Santa Catalina Townhomes Custom Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, Unmitigated

3. Construction Emissions Details

3.1. Demolition (2024) - Unmitigated

3.3. Site Preparation (2024) - Unmitigated

3.5. Site Preparation (2025) - Unmitigated

3.7. Grading (2025) - Unmitigated

3.9. Building Construction (2025) - Unmitigated

3.11. Paving (2025) - Unmitigated

3.13. Architectural Coating (2025) - Unmitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.3. Area Emissions by Source

4.3.1. Unmitigated

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Santa Catalina Townhomes
Construction Start Date	12/1/2024
Operational Year	2025
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	1.80
Precipitation (days)	6.20
Location	5802 Santa Catalina Ave, Garden Grove, CA 92845, USA
County	Orange
City	Garden Grove
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5873
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.23

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description

Condo/Townhouse	26.0	Dwelling Unit	1.22	49,265	18,026	864	77.0	—
Parking Lot	20.7	1000sqft	0.47	0.00	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.36	1.14	9.10	11.1	0.02	0.33	0.27	0.60	0.30	0.06	0.37	—	2,138	2,138	0.08	0.04	1.18	2,152
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.45	31.6	21.8	19.3	0.06	0.73	5.02	5.75	0.68	1.61	2.24	—	7,428	7,428	0.48	0.79	0.28	7,675
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.80	1.52	5.37	6.48	0.01	0.20	0.28	0.39	0.18	0.06	0.24	—	1,272	1,272	0.05	0.04	0.33	1,282
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.15	0.28	0.98	1.18	< 0.005	0.04	0.05	0.07	0.03	0.01	0.04	—	211	211	0.01	0.01	0.05	212

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.36	1.14	9.10	11.1	0.02	0.33	0.27	0.60	0.30	0.06	0.37	—	2,138	2,138	0.08	0.04	1.18	2,152
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	2.45	1.75	21.8	19.3	0.06	0.73	5.02	5.75	0.68	1.19	1.79	—	7,428	7,428	0.48	0.79	0.28	7,675
2025	2.16	31.6	18.3	16.8	0.04	0.69	3.76	4.44	0.63	1.61	2.24	—	5,895	5,895	0.37	0.56	0.19	6,071
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.14	0.10	1.25	1.11	< 0.005	0.04	0.28	0.33	0.04	0.06	0.10	—	416	416	0.03	0.04	0.25	429
2025	0.80	1.52	5.37	6.48	0.01	0.20	0.20	0.39	0.18	0.06	0.24	—	1,272	1,272	0.05	0.03	0.33	1,282
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.03	0.02	0.23	0.20	< 0.005	0.01	0.05	0.06	0.01	0.01	0.02	—	68.8	68.8	< 0.005	0.01	0.04	71.1
2025	0.15	0.28	0.98	1.18	< 0.005	0.04	0.04	0.07	0.03	0.01	0.04	—	211	211	0.01	< 0.005	0.05	212

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.72	2.34	1.13	11.4	0.03	0.44	1.39	1.83	0.42	0.35	0.78	88.9	2,450	2,539	1.74	0.06	6.07	2,606
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.57	2.20	1.17	9.56	0.03	0.44	1.39	1.83	0.42	0.35	0.78	88.9	2,386	2,475	1.75	0.06	0.50	2,537
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	0.82	1.86	0.65	6.24	0.01	0.05	1.18	1.23	0.05	0.30	0.35	17.4	1,674	1,691	1.34	0.05	2.44	1,743
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.15	0.34	0.12	1.14	< 0.005	0.01	0.21	0.22	0.01	0.05	0.06	2.88	277	280	0.22	0.01	0.40	289

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.78	0.72	0.48	6.07	0.01	0.01	1.39	1.40	0.01	0.35	0.36	—	1,486	1,486	0.07	0.05	5.71	1,509
Area	0.92	1.61	0.50	5.31	0.01	0.42	—	0.42	0.40	—	0.40	76.7	551	628	0.43	< 0.005	—	639
Energy	0.02	0.01	0.16	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	401	401	0.03	< 0.005	—	402
Water	—	—	—	—	—	—	—	—	—	—	—	1.87	12.0	13.8	0.19	< 0.005	—	20.0
Waste	—	—	—	—	—	—	—	—	—	—	—	10.3	0.00	10.3	1.03	0.00	—	36.0
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.35	0.35
Total	1.72	2.34	1.13	11.4	0.03	0.44	1.39	1.83	0.42	0.35	0.78	88.9	2,450	2,539	1.74	0.06	6.07	2,606
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.78	0.71	0.52	5.65	0.01	0.01	1.39	1.40	0.01	0.35	0.36	—	1,426	1,426	0.07	0.05	0.15	1,444
Area	0.78	1.48	0.48	3.84	0.01	0.41	—	0.41	0.40	—	0.40	76.7	547	624	0.43	< 0.005	—	635
Energy	0.02	0.01	0.16	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	401	401	0.03	< 0.005	—	402
Water	—	—	—	—	—	—	—	—	—	—	—	1.87	12.0	13.8	0.19	< 0.005	—	20.0
Waste	—	—	—	—	—	—	—	—	—	—	—	10.3	0.00	10.3	1.03	0.00	—	36.0
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.35	0.35
Total	1.57	2.20	1.17	9.56	0.03	0.44	1.39	1.83	0.42	0.35	0.78	88.9	2,386	2,475	1.75	0.06	0.50	2,537

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.65	0.60	0.45	4.90	0.01	0.01	1.18	1.18	0.01	0.30	0.31	—	1,221	1,221	0.06	0.05	2.09	1,239
Area	0.15	1.26	0.04	1.27	< 0.005	0.03	—	0.03	0.03	—	0.03	5.25	40.2	45.5	0.03	< 0.005	—	46.2
Energy	0.02	0.01	0.16	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	401	401	0.03	< 0.005	—	402
Water	—	—	—	—	—	—	—	—	—	—	—	1.87	12.0	13.8	0.19	< 0.005	—	20.0
Waste	—	—	—	—	—	—	—	—	—	—	—	10.3	0.00	10.3	1.03	0.00	—	36.0
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.35	0.35
Total	0.82	1.86	0.65	6.24	0.01	0.05	1.18	1.23	0.05	0.30	0.35	17.4	1,674	1,691	1.34	0.05	2.44	1,743
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.12	0.11	0.08	0.89	< 0.005	< 0.005	0.21	0.22	< 0.005	0.05	0.06	—	202	202	0.01	0.01	0.35	205
Area	0.03	0.23	0.01	0.23	< 0.005	0.01	—	0.01	0.01	—	0.01	0.87	6.66	7.53	< 0.005	< 0.005	—	7.65
Energy	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	66.3	66.3	< 0.005	< 0.005	—	66.6
Water	—	—	—	—	—	—	—	—	—	—	—	0.31	1.98	2.29	0.03	< 0.005	—	3.32
Waste	—	—	—	—	—	—	—	—	—	—	—	1.70	0.00	1.70	0.17	0.00	—	5.96
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.06	0.06
Total	0.15	0.34	0.12	1.14	< 0.005	0.01	0.21	0.22	0.01	0.05	0.06	2.88	277	280	0.22	0.01	0.40	289

3. Construction Emissions Details

3.1. Demolition (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.92	1.61	15.6	16.0	0.02	0.67	—	0.67	0.62	—	0.62	—	2,494	2,494	0.10	0.02	—	2,502
Demolition	—	—	—	—	—	—	3.64	3.64	—	0.55	0.55	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.85	0.88	< 0.005	0.04	—	0.04	0.03	—	0.03	—	137	137	0.01	< 0.005	—	137
Demolition	—	—	—	—	—	—	0.20	0.20	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.16	0.16	< 0.005	0.01	—	0.01	0.01	—	0.01	—	22.6	22.6	< 0.005	< 0.005	—	22.7
Demolition	—	—	—	—	—	—	0.04	0.04	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.05	0.65	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	161	161	< 0.005	0.01	0.02	163
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.48	0.09	6.13	2.60	0.03	0.06	1.22	1.28	0.06	0.34	0.40	—	4,773	4,773	0.38	0.76	0.26	5,010
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.95	8.95	< 0.005	< 0.005	0.02	9.07
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	0.01	0.34	0.14	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	261	261	0.02	0.04	0.23	275
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.48	1.48	< 0.005	< 0.005	< 0.005	1.50
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	43.3	43.3	< 0.005	0.01	0.04	45.5

3.3. Site Preparation (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.70	1.43	13.7	12.9	0.02	0.65	—	0.65	0.59	—	0.59	—	2,064	2,064	0.08	0.02	—	2,071
Dust From Material Movement	—	—	—	—	—	—	2.44	2.44	—	1.17	1.17	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.01	0.01	0.05	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.08	8.08	< 0.005	< 0.005	—	8.10
Dust From Material Movement	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.34	1.34	< 0.005	< 0.005	—	1.34
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.39	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	96.7	96.7	< 0.005	< 0.005	0.01	97.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.38	0.38	< 0.005	< 0.005	< 0.005	0.39
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.06	0.06	< 0.005	< 0.005	< 0.005	0.06
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Site Preparation (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.56	1.31	12.1	12.1	0.02	0.56	—	0.56	0.52	—	0.52	—	2,065	2,065	0.08	0.02	—	2,072
Dust From Material Movement	—	—	—	—	—	—	2.44	2.44	—	1.17	1.17	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.04	4.04	< 0.005	< 0.005	—	4.05
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.67	0.67	< 0.005	< 0.005	—	0.67
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.36	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	94.7	94.7	< 0.005	< 0.005	0.01	95.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.19	0.19	< 0.005	< 0.005	< 0.005	0.19
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.03	0.03	< 0.005	< 0.005	< 0.005	0.03
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Grading (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.80	1.51	14.1	14.5	0.02	0.64	—	0.64	0.59	—	0.59	—	2,455	2,455	0.10	0.02	—	2,463
Dust From Material Movement	—	—	—	—	—	—	2.77	2.77	—	1.34	1.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.15	0.16	< 0.005	0.01	—	0.01	0.01	—	0.01	—	26.9	26.9	< 0.005	< 0.005	—	27.0
Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.45	4.45	< 0.005	< 0.005	—	4.47
Dust From Material Movement	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.04	0.48	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	126	126	< 0.005	< 0.005	0.01	128
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.32	0.07	4.18	1.80	0.02	0.04	0.86	0.90	0.04	0.24	0.28	—	3,314	3,314	0.27	0.54	0.18	3,480
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.40	1.40	< 0.005	< 0.005	< 0.005	1.42
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	36.3	36.3	< 0.005	0.01	0.03	38.2
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.23	0.23	< 0.005	< 0.005	< 0.005	0.24
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.01	6.01	< 0.005	< 0.005	0.01	6.32

3.9. Building Construction (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.28	1.07	8.95	10.0	0.02	0.33	—	0.33	0.30	—	0.30	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.28	1.07	8.95	10.0	0.02	0.33	—	0.33	0.30	—	0.30	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.70	0.58	4.90	5.50	0.01	0.18	—	0.18	0.17	—	0.17	—	987	987	0.04	0.01	—	990
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	0.89	1.00	< 0.005	0.03	—	0.03	0.03	—	0.03	—	163	163	0.01	< 0.005	—	164
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.07	1.05	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	249	249	< 0.005	0.01	0.94	252
Vendor	0.01	< 0.005	0.09	0.05	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	88.6	88.6	< 0.005	0.01	0.24	92.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.07	0.91	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	236	236	< 0.005	0.01	0.02	239
Vendor	0.01	< 0.005	0.10	0.05	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	88.7	88.7	< 0.005	0.01	0.01	92.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.04	0.04	0.04	0.52	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	131	131	< 0.005	< 0.005	0.22	133
Vendor	< 0.005	< 0.005	0.05	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	48.6	48.6	< 0.005	0.01	0.06	50.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	21.7	21.7	< 0.005	< 0.005	0.04	22.0
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.04	8.04	< 0.005	< 0.005	0.01	8.39
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Paving (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	0.49	4.63	6.50	0.01	0.20	—	0.20	0.19	—	0.19	—	992	992	0.04	0.01	—	995
Paving	—	0.12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.13	0.18	< 0.005	0.01	—	0.01	0.01	—	0.01	—	27.2	27.2	< 0.005	< 0.005	—	27.3
Paving	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.50	4.50	< 0.005	< 0.005	—	4.51
Paving	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.05	0.61	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	158	158	< 0.005	0.01	0.02	160
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.39	4.39	< 0.005	< 0.005	0.01	4.44
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.73	0.73	< 0.005	< 0.005	< 0.005	0.74
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Architectural Coating (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	0.88	1.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	31.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.66	3.66	< 0.005	< 0.005	—	3.67
Architectural Coatings	—	0.86	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.61	0.61	< 0.005	< 0.005	—	0.61
Architectural Coatings	—	0.16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.18	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	47.3	47.3	< 0.005	< 0.005	< 0.005	47.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.31	1.31	< 0.005	< 0.005	< 0.005	1.33
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.22	0.22	< 0.005	< 0.005	< 0.005	0.22
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.78	0.72	0.48	6.07	0.01	0.01	1.39	1.40	0.01	0.35	0.36	—	1,486	1,486	0.07	0.05	5.71	1,509

Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.78	0.72	0.48	6.07	0.01	0.01	1.39	1.40	0.01	0.35	0.36	—	1,486	1,486	0.07	0.05	5.71	1,509
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.78	0.71	0.52	5.65	0.01	0.01	1.39	1.40	0.01	0.35	0.36	—	1,426	1,426	0.07	0.05	0.15	1,444
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.78	0.71	0.52	5.65	0.01	0.01	1.39	1.40	0.01	0.35	0.36	—	1,426	1,426	0.07	0.05	0.15	1,444
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.12	0.11	0.08	0.89	< 0.005	< 0.005	0.21	0.22	< 0.005	0.05	0.06	—	202	202	0.01	0.01	0.35	205
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.12	0.11	0.08	0.89	< 0.005	< 0.005	0.21	0.22	< 0.005	0.05	0.06	—	202	202	0.01	0.01	0.35	205

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	174	174	0.01	< 0.005	—	175

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	26.4	26.4	< 0.005	< 0.005	—	26.5
Total	—	—	—	—	—	—	—	—	—	—	—	—	200	200	0.01	< 0.005	—	201
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	174	174	0.01	< 0.005	—	175
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	26.4	26.4	< 0.005	< 0.005	—	26.5
Total	—	—	—	—	—	—	—	—	—	—	—	—	200	200	0.01	< 0.005	—	201
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	28.8	28.8	< 0.005	< 0.005	—	28.9
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	4.37	4.37	< 0.005	< 0.005	—	4.39
Total	—	—	—	—	—	—	—	—	—	—	—	—	33.2	33.2	< 0.005	< 0.005	—	33.3

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.02	0.01	0.16	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	200	200	0.02	< 0.005	—	201
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.02	0.01	0.16	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	200	200	0.02	< 0.005	—	201

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.02	0.01	0.16	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	200	200	0.02	< 0.005	—	201
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.02	0.01	0.16	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	200	200	0.02	< 0.005	—	201
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	33.2	33.2	< 0.005	< 0.005	—	33.2
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	33.2	33.2	< 0.005	< 0.005	—	33.2

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.78	0.34	0.48	3.84	0.01	0.41	—	0.41	0.40	—	0.40	76.7	547	624	0.43	< 0.005	—	635
Consumer Products	—	1.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landscape	0.14	0.13	0.01	1.47	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.94	3.94	< 0.005	< 0.005	—	3.96
Total	0.92	1.61	0.50	5.31	0.01	0.42	—	0.42	0.40	—	0.40	76.7	551	628	0.43	< 0.005	—	639
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.78	0.34	0.48	3.84	0.01	0.41	—	0.41	0.40	—	0.40	76.7	547	624	0.43	< 0.005	—	635
Consumer Products	—	1.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.78	1.48	0.48	3.84	0.01	0.41	—	0.41	0.40	—	0.40	76.7	547	624	0.43	< 0.005	—	635
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.01	< 0.005	0.01	0.05	< 0.005	0.01	—	0.01	0.01	—	0.01	0.87	6.21	7.08	< 0.005	< 0.005	—	7.20
Consumer Products	—	0.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.02	0.02	< 0.005	0.18	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.45	0.45	< 0.005	< 0.005	—	0.45
Total	0.03	0.23	0.01	0.23	< 0.005	0.01	—	0.01	0.01	—	0.01	0.87	6.66	7.53	< 0.005	< 0.005	—	7.65

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	1.87	12.0	13.8	0.19	< 0.005	—	20.0
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1.87	12.0	13.8	0.19	< 0.005	—	20.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	1.87	12.0	13.8	0.19	< 0.005	—	20.0
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1.87	12.0	13.8	0.19	< 0.005	—	20.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	0.31	1.98	2.29	0.03	< 0.005	—	3.32
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	0.31	1.98	2.29	0.03	< 0.005	—	3.32

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	10.3	0.00	10.3	1.03	0.00	—	36.0
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	10.3	0.00	10.3	1.03	0.00	—	36.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	10.3	0.00	10.3	1.03	0.00	—	36.0
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	10.3	0.00	10.3	1.03	0.00	—	36.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	1.70	0.00	1.70	0.17	0.00	—	5.96
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1.70	0.00	1.70	0.17	0.00	—	5.96

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.35	0.35
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.35	0.35
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.35	0.35
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.35	0.35
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.06	0.06
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.06	0.06

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	12/1/2024	12/29/2024	5.00	20.0	—
Site Preparation	Site Preparation	12/30/2024	1/1/2025	5.00	2.00	—

Grading	Grading	1/2/2025	1/7/2025	5.00	4.00	—
Building Construction	Building Construction	1/8/2025	10/15/2025	5.00	200	—
Paving	Paving	10/16/2025	10/30/2025	5.00	10.0	—
Architectural Coating	Architectural Coating	10/31/2025	11/14/2025	5.00	10.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37
Site Preparation	Graders	Diesel	Average	1.00	8.00	148	0.41
Site Preparation	Rubber Tired Dozers	Diesel	Average	1.00	7.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	7.00	84.0	0.37
Building Construction	Cranes	Diesel	Average	1.00	6.00	367	0.29
Building Construction	Forklifts	Diesel	Average	1.00	6.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	1.00	6.00	84.0	0.37
Building Construction	Welders	Diesel	Average	3.00	8.00	46.0	0.45
Paving	Cement and Mortar Mixers	Diesel	Average	1.00	6.00	10.0	0.56

Paving	Pavers	Diesel	Average	1.00	6.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	1.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	1.00	7.00	36.0	0.38
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	12.5	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	67.3	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	7.50	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	10.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	47.5	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	18.7	18.5	LDA,LDT1,LDT2

Building Construction	Vendor	2.78	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	12.5	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	3.74	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%
Limit vehicle speeds on unpaved roads to 25 mph	44%	44%
Sweep paved roads once per month	9%	9%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	99,762	33,254	0.00	0.00	1,241

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	5,380	—
Site Preparation	0.00	0.00	1.88	0.00	—
Grading	0.00	1,513	4.00	0.00	—
Paving	0.00	0.00	0.00	0.00	0.47

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Condo/Townhouse	—	0%
Parking Lot	0.47	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2024	0.00	532	0.03	< 0.005
2025	0.00	532	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Condo/Townhouse	187	228	186	70,402	1,624	1,976	1,617	610,838
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Condo/Townhouse	—
Wood Fireplaces	0
Gas Fireplaces	26
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	0
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	1
Pellet Wood Stoves	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)

99761.625	33,254	0.00	0.00	1,241

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Condo/Townhouse	119,396	532	0.0330	0.0040	624,789
Parking Lot	18,114	532	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Condo/Townhouse	975,667	296,738
Parking Lot	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Condo/Townhouse	19.1	—

Parking Lot	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Condo/Townhouse	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Condo/Townhouse	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

8. User Changes to Default Data

Screen	Justification
Land Use	Project consists of 26 townhouse dwelling units on a site totaling approximately 1.71 acres.
Operations: Vehicle Data	Trip generation rates are based on the ITE Trip Generation Manual, 11th Edition.
Operations: Fleet Mix	Fleet mix is adjusted to reflect a total of 2% heavy trucks (GVWR > 10,000 lbs.).
Operations: Hearths	Per SCAQMD Rule 445, no wood-burning devices are allowed.

Appendix B

EMFAC2021 Vehicle Fuel Consumption Data

Source: EMFAC2021 (v1.0.2) Emissions Inventory
Region Type: Air District
Region: South Coast AQMD
Calendar Year: 2025
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	Calendar Y	Vehicle Cat	Model Year	Speed	Fuel	Population	Total VMT	Fuel Consu	Fuel Split (Gas:Diesel)	MPG, by Fuel Type	MPG, Average
South Coas	2025	HHDT	Aggregate	Aggregate	Gasoline	56.72119	4109.856	1.00199	0.000452	4.101694	6.138742
South Coas	2025	HHDT	Aggregate	Aggregate	Diesel	104913.1	13605802	2216.05	0.999548	6.139663	
South Coas	2025	LDA	Aggregate	Aggregate	Gasoline	5388809	2.15E+08	7191.774	0.998605	29.92833	29.94472
South Coas	2025	LDA	Aggregate	Aggregate	Diesel	13906.68	418696.8	10.0457	0.001395	41.6792	
South Coas	2025	LDT1	Aggregate	Aggregate	Gasoline	497455.9	17999149	723.2745	0.999817	24.88564	24.88537
South Coas	2025	LDT1	Aggregate	Aggregate	Diesel	167.6467	3101.137	0.132443	0.000183	23.41482	
South Coas	2025	LDT2	Aggregate	Aggregate	Gasoline	2603678	1.07E+08	4374.284	0.997354	24.5731	24.59427
South Coas	2025	LDT2	Aggregate	Aggregate	Diesel	8796.37	378041	11.60574	0.002646	32.57362	
South Coas	2025	LHDT1	Aggregate	Aggregate	Gasoline	205266.9	8110009	580.7083	0.719875	13.96572	15.83978
South Coas	2025	LHDT1	Aggregate	Aggregate	Diesel	111060.2	4667620	225.9715	0.280125	20.65579	
South Coas	2025	LHDT2	Aggregate	Aggregate	Gasoline	31970.23	1183187	97.13095	0.450539	12.18135	15.05322
South Coas	2025	LHDT2	Aggregate	Aggregate	Diesel	49620.94	2062111	118.4572	0.549461	17.40806	
South Coas	2025	MCY	Aggregate	Aggregate	Gasoline	252661.4	1614784	38.74127	1	41.68124	41.68124
South Coas	2025	MDV	Aggregate	Aggregate	Gasoline	1634952	63253755	3169.302	0.989561	19.95826	20.00212
South Coas	2025	MDV	Aggregate	Aggregate	Diesel	20570.99	807748.5	33.43349	0.010439	24.15986	
South Coas	2025	MH	Aggregate	Aggregate	Gasoline	29165.48	280201.3	57.65573	0.82681	4.859904	5.768027
South Coas	2025	MH	Aggregate	Aggregate	Diesel	12429.91	122019.2	12.07704	0.17319	10.1034	
South Coas	2025	MHDT	Aggregate	Aggregate	Gasoline	24929.99	1334681	255.9905	0.312907	5.21379	7.791513
South Coas	2025	MHDT	Aggregate	Aggregate	Diesel	119577.2	5039597	562.1147	0.687093	8.965424	
South Coas	2025	OBUS	Aggregate	Aggregate	Gasoline	5258.137	208336.2	40.66862	0.54713	5.122775	6.007104
South Coas	2025	OBUS	Aggregate	Aggregate	Diesel	3132.978	238176.9	33.66222	0.45287	7.075494	
South Coas	2025	SBUS	Aggregate	Aggregate	Gasoline	2910.898	130742.1	14.58637	0.614391	8.963306	8.344243
South Coas	2025	SBUS	Aggregate	Aggregate	Diesel	3330.728	67359.96	9.154797	0.385609	7.357888	
South Coas	2025	UBUS	Aggregate	Aggregate	Gasoline	892.0637	96751.77	13.80115	0.985191	7.010415	7.00775
South Coas	2025	UBUS	Aggregate	Aggregate	Diesel	11.1976	1417.051	0.20746	0.014809	6.830476	

Appendix C

RK Resumes of Key Personnel

BRYAN ESTRADA

AICP, PTP, PRINCIPAL

Education

University of California, Irvine, B.A., Urban Studies

Professional History

RK Engineering Group, Inc., Principal, 2007 – Present

Certifications

American Institute of Certified Planners (AICP)
Professional Transportation Planner (PTP)

Affiliations

American Planning Association (APA)
Association of Environmental Professionals (AEP)
Orange County Traffic Engineering Council (OCTEC)

Volunteer

Costa Mesa Active Transportation Committee – Member (2019 – 2023)

Representative Experience

Bryan Estrada, AICP, PTP, RK Engineering Group, Inc. (RK) Principal, oversees the Environmental Department, providing Air Quality, Greenhouse Gas, Noise, and Energy Conservation consulting services. He also oversees Transportation Planning projects and has led RK's efforts to be at the forefront of offering Vehicle Miles Traveled modeling services.

A native of Southern California and an alum of the University of California, Irvine, School of Planning, Policy and Design where he received a Bachelor of Arts degree in Urban Studies, Estrada's experience includes traffic engineering and transportation planning, air quality and greenhouse gas analysis, and environmental acoustics and noise analyses. He has contributed to the design of traffic signals, signing and striping plans and traffic control plans. He is frequently engaged with clients and developers, local government agencies and community groups to craft innovative solutions to traffic, noise and air quality impact mitigation.

Estrada is an active member of the American Planning Association (APA) and the Association of Environmental Professionals (AEP) and stays up to date on the latest trends and topics concerning CEQA policy. He has earned the American Institute of Certified Planners (AICP) certification granted by the American Planning Association and the Professional Transportation Planner (PTP) certification granted by the Transportation Professional Certification Board.

Estrada previously served on the Costa Mesa Active Transportation Committee from 2019-2023.

AREAS OF EXPERTISE

Transportation Planning

Traffic Engineering

Traffic Impact Studies

Traffic Calming

Parking

Vehicle Miles Traveled

Active Transportation & Bicycle Planning

Air Quality Emissions

Greenhouse Gas and Global Climate Change

Acoustical Engineering

Noise & Vibration Impact Studies

Energy Conservation

CEQA Compliance

BECCA MORRISON

PLANNER II

Education

Chapman University, Orange B.S., Environmental Science and Policy, 2022
Specialization in Environmental Policy

Currently pursuing her Engineer-in-Training license

Professional History

RK Engineering Group, Inc., Planner II, 2022 - Present

San Diego State University Research Foundation, Data Analyst for Naval Information Warfare Center Pacific, 2020 - 2020

Representative Experience

Ms. Becca Morrison, a native of Southern California, attended Chapman University, where she earned a degree in Environmental Science and Policy. Her diverse educational and professional background has equipped her with a comprehensive understanding of environmental challenges and their solutions.

Since 2022, Ms. Morrison has gained extensive experience in various aspects of Environmental Planning while working with RK Engineering Group. She has analyzed data on Air Quality, Greenhouse Gas, Energy, and Noise, and has assisted in developing mitigation measures to reduce the environmental impacts of future developments. Additionally, she has conducted several traffic studies and developed recommendations to meet the standards of respective jurisdictions and agencies.

Currently, Ms. Morrison contributes to the Environmental Department, where she regularly conducts Air Quality, Greenhouse Gas, Energy Impact, and Noise Impact Studies. She also performs field assessments of project sites. Ms. Morrison collaborates closely with several agencies across Southern California to assist clients in securing approval for their proposed projects. Her recent work includes, but is not limited to, the following:

Alicia Town Center Ralph's Fuel Center Air Quality, Greenhouse Gas, and Health Risk Assessment Impact Study
City of Laguna Hills

Rancho Tierra Specific Plan Noise Impact Study and Air Quality, Greenhouse Gas, & Energy Impact Study
City of Victorville

PBP Industrial Project Noise Impact Study and Air Quality, Greenhouse Gas, and Energy Impact Study
City of Palmdale

AREAS OF EXPERTISE

Air Quality Emissions

Greenhouse Gas and Global Climate Change

Acoustical Engineering

Noise & Vibration Impact Studies

Energy Conservation

CEQA Compliance

Appendix B

Cultural and Paleontological Resources Assessment Report for The Brandywine Garden Grove Project, City of Garden Grove, Orange County, California

Cogstone

July 2024

cogstone
PALEONTOLOGY - ARCHAEOLOGY - HISTORY

C□LT□RAL AND PALEONTOLOGICAL RESO□RCES ASSESSMENT □OR T□E BRAND□□ INE GARDEN GRO□E PRO□ECT, CIT□ O□ GARDEN GRO□E, ORANGE CO□NT□, CALI□ORNIA

Prepared for:
Lindsay Ortega, Sagecrest Planning+Environmental

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□im Scott, M.S.
Shannon Lopez, M.A.

Principal Investigator:
Alison Bryson-Deveraux, M.A.

Date
□uly 2024

Cogstone Project Number: 6017
Type of Study: Cultural and Paleontological Resource Assessment
Sites: Eastgate Baptist Church
USGS Quadrangle: USGS 7.5' Los Alamitos
Area: 1.71 acres
Key Words: late Pleistocene to Holocene alluvial fan deposits - PFYC 2, low sensitivity, PFYC 3, moderate sensitivity; Tongva/Gabrieli□o Tribal territory; Garden Grove

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Federal Certifications WOSB, EDWOSB, SDB
State Certifications DBE, WBE, UDBE

TABLE O□ CONTENTS

S□MMAR□ O□ □INDINGS ..... □

INTROD□CTION 1

PURPOSE OF STUDY 1
PROJECT LOCATION AND DESCRIPTION 3
PROJECT PERSONNEL 6

REG□LATOR□ EN□IRONMENT 7

STATE LAWS AND REGULATIONS 7
CALIFORNIA ENVIRONMENTAL QUALITY ACT 7
TRIBAL CULTURAL RESOURCES 7
PUBLIC RESOURCES CODE 8
CALIFORNIA REGISTER OF HISTORICAL RESOURCES 8
NATIVE AMERICAN HUMAN REMAINS 9
CALIFORNIA ADMINISTRATIVE CODE, TITLE 14, SECTION 4307 9
CITY OF GARDEN GROVE GENERAL PLAN 9
DEFINITION OF SIGNIFICANCE FOR PALEONTOLOGICAL RESOURCES 10

BAC□GRO□ND 12

GEOLOGICAL SETTING 12
LATE PLEISTOCENE AND HOLOCENE YOUNG ALLUVIAL FAN DEPOSITS 12
PALEONTOLOGICAL SETTING 12
ENVIRONMENTAL SETTING 13
HISTORIC SETTING 19
SPANISH PERIOD (1769-1822) 19
MEXICAN PERIOD (1822-1847) 20
AMERICAN PERIOD (1848-PRESENT) 21
CITY OF GARDEN GROVE 22
PROJECT AREA HISTORY 22

RECORDS SEARC□ 23

PALEONTOLOGICAL RECORD SEARCH 23
CALIFORNIA HISTORICAL RESOURCES INFORMATION SYSTEM RECORD SEARCH 23
OTHER SOURCES 24
HISTORICAL SOCIETY CONSULTATION 25
NATIVE AMERICAN CONSULTATION 25

S□R□E□ 26

METHODS 26
RESULTS 26

□ISTORIC B□ILT EN□IRONMENT ASSESSMENT 30

5802 SANTA CATALINA AVENUE (GRACE BAPTIST CHURCH OF GARDEN GROVE) 30

RECOMMENDATIONS 32

PALEONTOLGICAL RESOURCES 32
CULTURAL RESOURCES 33

RE□ERENCES CITED 34

APPENDI□ A. □□ALI□ICATIONS 38

APPENDI□ B. PALEONTOLOG□ RECORDS SEARC□ 44

APPENDI□ C. PALEONTOLOGICAL SENSITI□IT□ RAN□ING CRITERIA 47
APPENDI□ D. □ISTORICAL SOCIET□ CONS□LTATION 49
APPENDI□ E. DPR 523 □ORMS 55

LIST O□ □IG□RES

□IG□RE 1. PRO□ECT □ICINIT□ MAP 2
□IG□RE 2. PRO□ECT LOCATION MAP 4
□IG□RE 3. PRO□ECT AERIAL MAP 5
□IG□RE 4. TRIBAL BO□NDAR□ MAP.....19
□IG□RE 5. NORT□ ELE□ATION O□ C□□RC□, □ACING SO□T□.....28
□IG□RE 6. ED□CATIONAL B□ILDING, NORT□ □A□ADE □LE□T□AND □ EST ELE□ATION □RIG□T□, □ACING SO□T□EAST. 28
□IG□RE 7. ANCILLAR□ B□ILDING, NORT□ □A□ADE □LE□T□AND □ EST ELE□ATION □RIG□T□, □ACING SO□T□EAST..29

LIST O□ TABLES

TABLE 1. C□LT□RE C□RONOLOG□ 15
TABLE 2. PRE□IO□S ST□DIES □ IT□IN A 0.5□MILE RADI□S O□ T□E PRO□ECT AREA. 23
TABLE 3. PRE□IO□SL□ RECORDED C□LT□RAL RESO□RCES □ IT□IN A 0.5□MILE RADI□S O□ T□E PRO□ECT AREA.24
TABLE 4. ADDITIONAL SO□RCES CONS□LTED.....24
TABLE 5. BLM SEARC□ RES□LTS.....24

S□MMAR□ O□ □INDINGS

This study was conducted to determine the potential impacts to cultural and paleontological resources as a result of the Brandywine Garden Grove Project (Project), City of Garden Grove (City), Orange County (County), California. The City of Garden Grove is the lead agency under the California Environmental □uality Act (CE□A).

The Project is located at 5802 Santa Catalina Avenue (Assessor Parcel Number □APN□224-212-01) in the City of Garden Grove, Orange County, California. The Project proposes the demolition of a one-story ancillary building to construct 26 new townhomes.

Paleontological Resources

A record search of the Project area and a one-mile radius was obtained from the Natural History Museum of Los Angeles County. Online records from the University of California Museum of Paleontology database and the Paleobiology Database were also searched for fossil records, as were print sources. The results of these searches determined that the late Pleistocene and Holocene sediments mapped at the surface have low potential to contain significant paleontological resources at depths of five (5) feet or less below the modern surface, due to the presumed lack of fossils in these deposits. Below this depth, these sediments may have increased potential for fossils, and so are assigned moderate potential for fossils. Additionally, should Pleistocene older alluvium be encountered at any depth in the subsurface, this sedimentary unit would also have moderate potential for fossils as inferred from similar deposits having produced fossils at the surface near to the study area. A Workers Environmental Awareness Program is recommended for the Project in advance of construction-related excavation. If unanticipated discoveries of paleontological resources occur during construction, all work within 50 feet of the discovery should be halted until the find has been evaluated by a qualified paleontologist. Should fossils be found, a paleontology mitigation plan should be developed, and paleontological monitoring implemented.

Cultural Resources

A search for cultural resources records within a 0.5-mile radius of the Project area was requested from the California Historical Resources Information System (CHRIS) at the South-Central Coastal Information Center (SCCIC), located at California State University Fullerton on April 29, 2024, which included the entire proposed Project area as well as a 0.5-mile radius. Results of the record search indicate that one previous study has been completed within the Project area while two studies have been completed previously within a 0.5-mile radius of the Project area. No cultural resources have been recorded within the Project area. Outside of the Project area one cultural resource has been previously documented within the 0.5-mile search radius from the Project area.

A Sacred Lands File (SLF) search was requested from the Native American Heritage Commission (NAHC) on April 29, 2024. On May 14, 2024, the NAHC responded that the SLF search was completed with negative results and provided a list of 18 Native American tribal organizations and individuals that may have information about the Project area. The City of

Garden Grove will conduct Native American consultation in accordance with Assembly Bill (AB) 52 and Senate Bill (SB) 18.

Based on a review of the SCCIC record search results, review of historic USGS topographic quadrangle maps, and USDA aerial photographs, the Project area is assessed to have a low sensitivity for buried pre-contact and historic-aged cultural deposits.

The pedestrian survey was conducted on June 6, 2024, by Architectural Historian Shannon Lopez. No archaeological or paleontological materials were identified during the survey. Three historic in age buildings at 5802 Santa Catalina Avenue were photographed and documented on Department of Parks and Recreation 523 (DPR 523) forms. Due to a lack of historic significance the buildings at 5802 Santa Catalina Avenue are recommended not eligible for listing on the National, State, or Local Register. No further work is recommended.

In the event of an unanticipated discovery, all work must be suspended within 50 feet of the find until a qualified archaeologist can evaluate it. In the unlikely event that human remains are encountered during project development, all work must cease near the find immediately.

In accordance with California Health and Safety Code Section 7050.5, the County Coroner must be notified if potentially human bone is discovered. The Coroner will then determine within two working days of being notified if the remains are subject to their authority. If the Coroner recognizes the remains to be Native American, they shall contact the NAHC by phone within 24 hours, in accordance with Public Resources Code Section 5097.98. The NAHC will then designate a Most Likely Descendant (MLD) with respect to the human remains. The MLD then has the opportunity to recommend to the property owner or the person responsible for the excavation work means for treating or disposing, with appropriate dignity, the human remains and associated grave goods. Work may not resume in the vicinity of the find until all requirements of the health and safety code have been met.

INTROD□CTION

P□RPOSE O□ ST□D□

This study was conducted to determine the potential impacts to cultural resources as a result of the Brandywine Garden Grove Project (Project), City of Garden Grove, Orange County (County), California (Figure 1). The City of Garden Grove is the lead agency under the California Environmental □uality Act (CE□A).

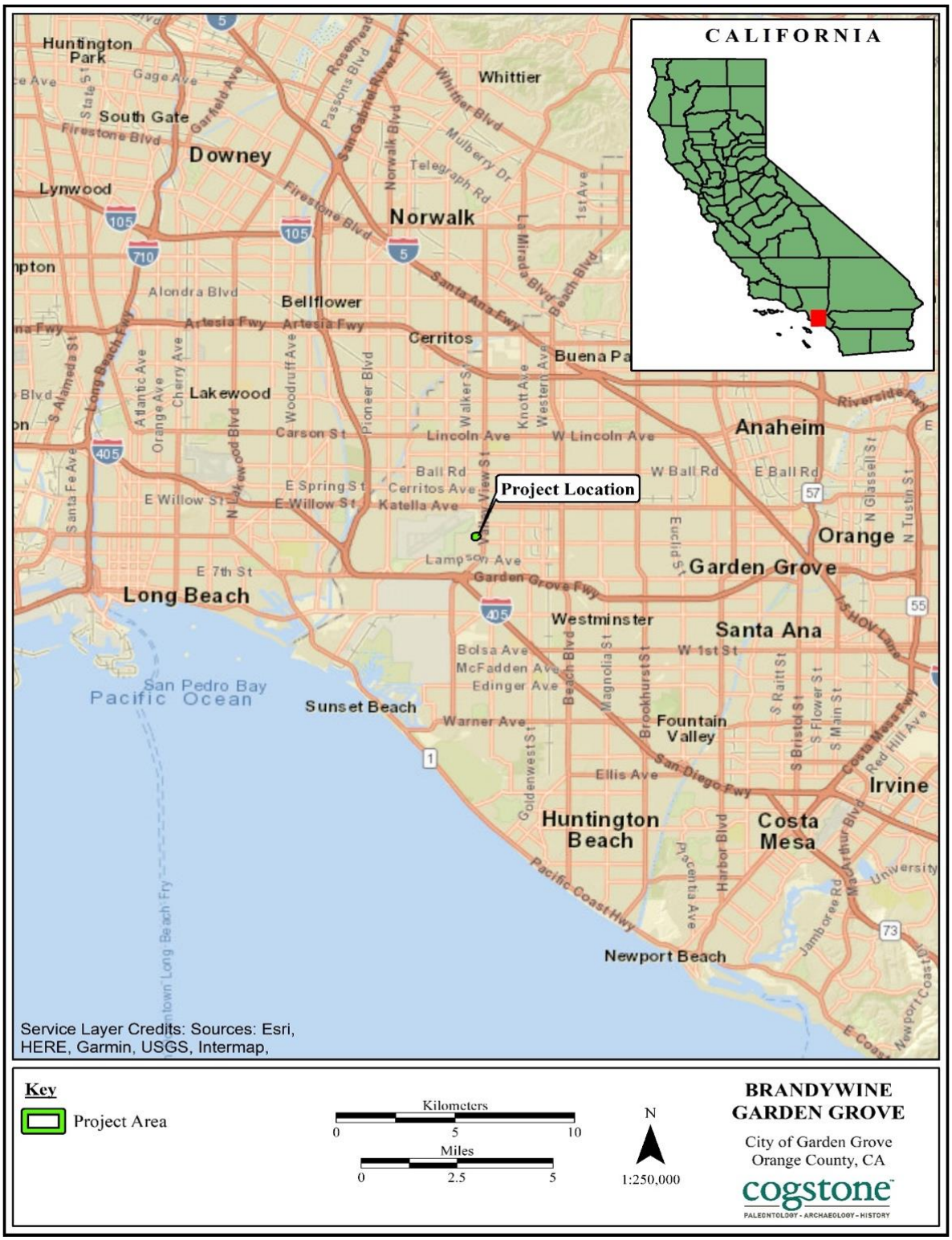


Figure 1. Project vicinity map

PROJECT LOCATION AND DESCRIPTION

The Project is located at 5802 Santa Catalina Avenue (Assessor Parcel Number (APN) 224-212-01) in the City of Garden Grove, Orange County, California (Figure 2). The Project proposes the demolition of a one-story ancillary building to construct 26 new townhomes (Figure 3).

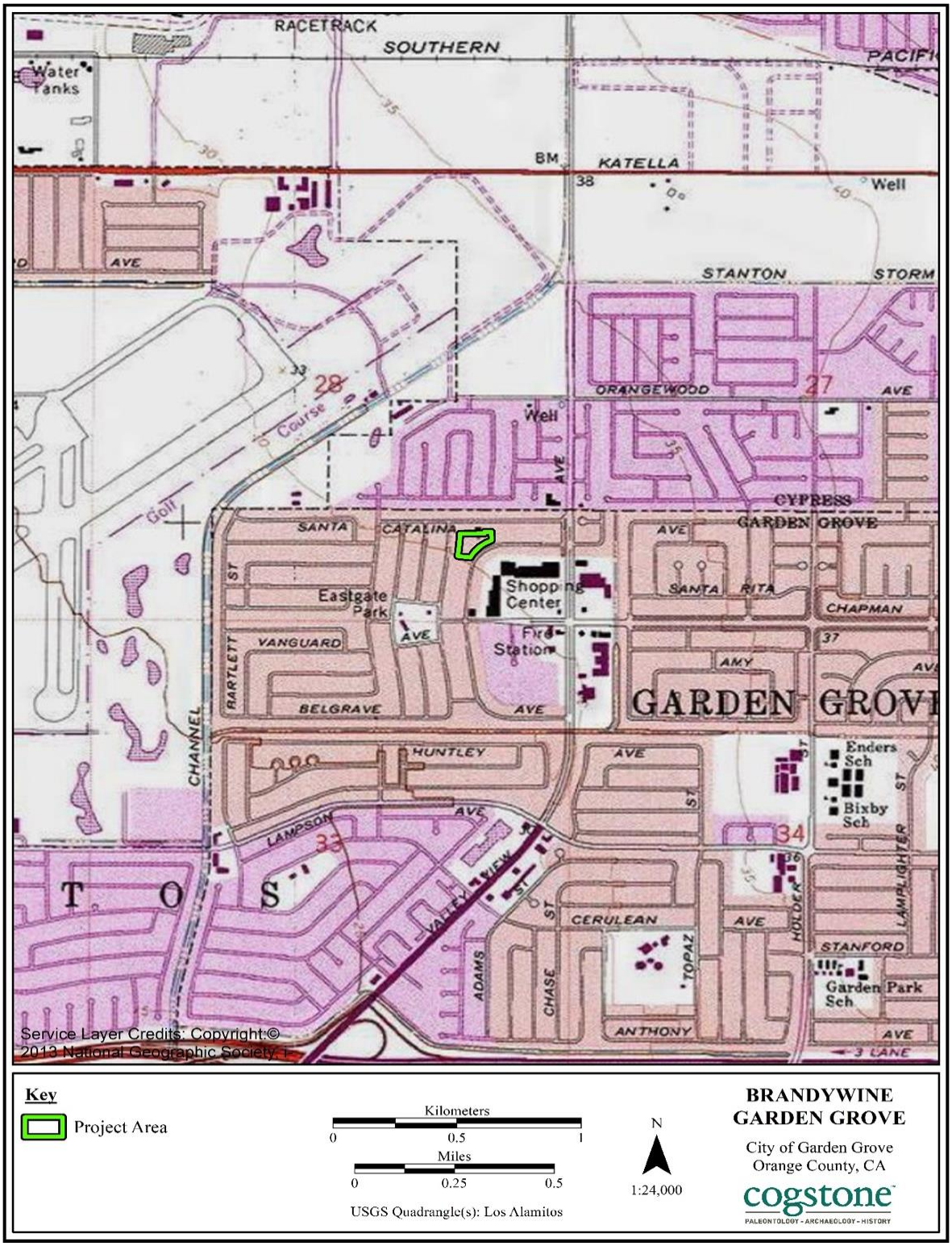


Figure 2. Project location map

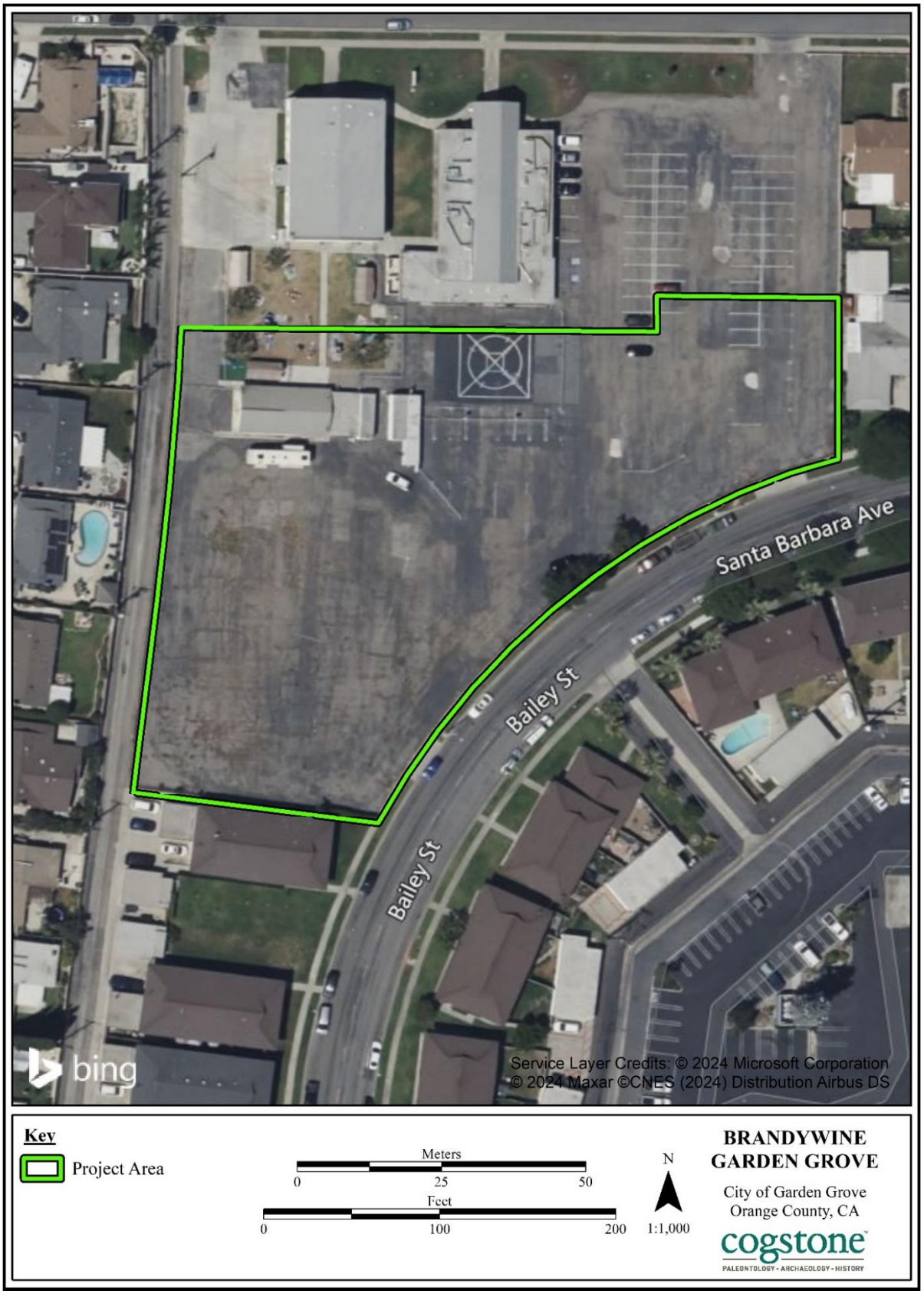


Figure 3. Project aerial map

PRO□ECT PERSONNEL

Cogstone Resource Management (Cogstone) conducted the cultural and paleontological resource assessment and authored this report. Resumes of key personnel are provided in Appendix A.

- Molly Valasik provided overall □A/□C. Ms. Valasik has an M.A. in Anthropology from □ent State University in Ohio and over 15 years of experience in southern California archaeology.
- Alison Bryson-Deveraux served as the Principal Investigator for Archaeology and co-authored this report. Ms. Bryson-Deveraux holds an M.A. in Historic Preservation from Prescott College and a B.A. in Anthropology (concentration in Archaeology) from the University of California (UC), Santa Barbara. She has more than 20 years of experience in coastal California archaeology.
- Eric Scott provided □A/□C of the paleontology and geology sections of this report. Mr. Scott has an M.A. in Anthropology, with an emphasis in biological paleoanthropology, from the University of California, Los Angeles (UCLA), and more than 39 years of experience in California paleontology.
- Shannon Lopez served as the architectural historian and co-authored this report. Ms. Lopez holds an M.A. in History (with an emphasis in architectural history) from California State University (CSU) Fullerton. She has more than six years of experience in the field of history and architectural history.
- Logan Freeberg made the Geographic Information System (GIS) maps for this report. Mr. Freeberg holds a B.A. in Anthropology from the UC Santa Barbara and a GIS certification from CSU Fullerton. He has over 20 years of experience in California archaeology.

REG□LATOR□ EN□IRONMENT

STATE LA□ S AND REG□LATIONS

CALIFORNIA ENVIRONMENTAL QUALITY ACT

CE□A states that: It is the policy of the state that public agencies should not approve projects as proposed if there are feasible alternatives or feasible mitigation measures available which would substantially lessen the significant environmental effects of such projects, and that the procedures required are intended to assist public agencies in systematically identifying both the significant effects of proposed project and the feasible alternatives or feasible mitigation measures which will avoid or substantially lessen such significant effects.

CE□A declares that it is state policy to: "take all action necessary to provide the people of this state with...historic environmental qualities." It further states that public or private projects financed or approved by the state are subject to environmental review by the state. All such projects, unless entitled to an exemption, may proceed only after this requirement has been satisfied. CE□A requires detailed studies that analyze the environmental effects of a proposed project. In the event that a project is determined to have a potential significant environmental effect, the act requires that alternative plans and mitigation measures be considered.

TRIBAL CULTURAL RESOURCES

As of 2015, CEQA established that "[a] project with an effect that may cause a substantial adverse change in the significance of a tribal cultural resource is a project that may have a significant effect on the environment" (Pub. Resources Code, § 21084.2). In order to be considered a "tribal cultural resource," a resource must be either:

(1) listed, or determined to be eligible for listing, on the national, state, or local register of historic resources, or

(2) a resource that the lead agency chooses, in its discretion, to treat as a tribal cultural resource.

To help determine whether a project may have such an effect, the lead agency must consult with any California Native American tribe that requests consultation and is traditionally and culturally affiliated with the geographic area of a proposed project. If a lead agency determines that a project may cause a substantial adverse change to tribal cultural resources, the lead agency must consider measures to mitigate that impact. Public Resources Code §20184.3 (b)(2) provides examples of mitigation measures that lead agencies may consider to avoid or minimize impacts to tribal cultural resources.

PUBLIC RESOURCES CODE

Section 5097.5: No person shall knowingly and willfully excavate upon, or remove, destroy, injure or deface any historic or prehistoric ruins, burial grounds, archaeological or vertebrate paleontological site, including fossilized footprints, inscriptions made by human agency, or any other archaeological, paleontological or historical feature, situated on public lands (lands under state, county, city, district or public authority jurisdiction, or the jurisdiction of a public corporation), except with the express permission of the public agency having jurisdiction over such lands. Violation of this section is a misdemeanor. As used in this section, "public lands" means lands owned by, or under the jurisdiction of, the state, or any city, county, district, authority, or public corporation, or any agency thereof.

CALIFORNIA REGISTER OF HISTORICAL RESOURCES

The California Register of Historical Resources (CRHR) is a listing of all properties considered to be significant historical resources in the state. The California Register includes all properties listed or determined eligible for listing on the National Register, including properties evaluated under Section 106, and State Historical Landmarks No. 770 and above. The California Register statute specifically provides that historical resources listed, determined eligible for listing on the California Register by the State Historical Resources Commission, or resources that meet the California Register criteria are resources which must be given consideration under CE□A (see above). Other resources, such as resources listed on local registers of historic resources or in local surveys, may be listed if they are determined by the State Historic Resources Commission to be significant in accordance with criteria and procedures to be adopted by the Commission and are nominated; their listing in the California Register is not automatic.

Resources eligible for listing include buildings, sites, structures, objects, or historic districts that retain historical integrity and are historically significant at the local, state or national level under one or more of the following four criteria:

1) It is associated with events that have made a significant contribution to the broad patterns of local or regional history, or the cultural heritage of California or the United States;
2) It is associated with the lives of persons important to local, California, or national history;
3) It embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of a master or possesses high artistic values; or
4) It has yielded, or has the potential to yield, information important to the prehistory or history of the local area, California, or the nation.

In addition to having significance, resources must have integrity for the period of significance. The period of significance is the date or span of time within which significant events transpired, or significant individuals made their important contributions. Integrity is the authenticity of a

historical resource's physical identity as evidenced by the survival of characteristics or historic fabric that existed during the resource's period of significance.

Alterations to a resource or changes in its use over time may have historical, cultural, or architectural significance. Simply, resources must retain enough of their historic character or appearance to be recognizable as historical resources and to convey the reasons for their significance. A resource that has lost its historic character or appearance may still have sufficient integrity for the California Register, if, under Criterion 4, it maintains the potential to yield significant scientific or historical information or specific data.

NATIVE AMERICAN HUMAN REMAINS

Sites that may contain human remains important to Native Americans must be identified and treated in a sensitive manner, consistent with state law (i.e., Health and Safety Code §7050.5 and Public Resources Code §5097.98), as reviewed below:

In the event that human remains are encountered during project development and in accordance with the Health and Safety Code Section 7050.5, the County Coroner must be notified if potentially human bone is discovered. The Coroner will then determine within two working days of being notified if the remains are subject to his or her authority. If the Coroner recognizes the remains to be Native American, he or she shall contact the Native American Heritage Commission (NAHC) by phone within 24 hours, in accordance with Public Resources Code Section 5097.98. The NAHC will then designate a Most Likely Descendant (MLD) with respect to the human remains. The MLD then has the opportunity to recommend to the property owner or the person responsible for the excavation work means for treating or disposing, with appropriate dignity, the human remains and associated grave goods.

CALIFORNIA ADMINISTRATIVE CODE, TITLE 14, SECTION 4307

This section states that "No person shall remove, injure, deface or destroy any object of paleontological, archeological or historical interest or value."

CITY OF GARDEN GROVE GENERAL PLAN

Goal CON-7 Significant historical, architectural, archeological, and cultural value resources shall be preserved and protected.

> Policy CON-7.1 Preserve and protect Garden Grove's significant historical, archaeological and cultural value resources.
>
> Policy CON-7.2 Preserve Garden Grove's significant historic resources to promote community identity, stability, and aesthetic character.
>
> Policy CON-7.3 Encourage private and public preservation activities for the education

and enjoyment of present and future generations.

CON-IMP-7A Preserve significant archeological sites in conformance with Public Resources Code Section 21083.2 or Section 21084.1, as applicable.

CON-IMP-7B Determine appropriate zoning and land development guidelines in order to protect historic resources from incompatible development.

CON-IMP-7C Develop a process for the preservation of historic buildings with clear data by property regarding its historic significance. Look for innovative ways to preserve these buildings by possibly creating an historic area in which to relocate the buildings.

CON-IMP-7D Review proposals for the development of properties abutting historic resources to ensure that land use or new construction does not detract from the architectural characteristics and environmental setting of the historic resource.

CON-IMP-7E Encourage the restoration of historic properties through financial incentives and public and private loan and grant funding programs.

CON-IMP-7F Encourage new commercial development or renovations to existing commercial structures in historic areas to be compatible with existing historic architectural character.

CON-IMP-7G Design public facilities to minimize adverse impacts on historic resources.

CON-IMP-7H Preserve significant trees such as the Stone Pines that were saved as part of the hotel development on the south side of Chapman, west of Harbor Boulevard.

DE□INITION O□ SIGNI□ICANCE □OR PALEONTOLOGICAL RESO□RCES

Only qualified, trained paleontologists with specific expertise in the type of fossils being evaluated can determine the scientific significance of paleontological resources (Scott and Springer 2003). Fossils are considered to be significant if one or more of the following criteria apply:

1. The fossils provide information on the evolutionary relationships and developmental trends among organisms, living or extinct;
2. The fossils provide data useful in determining the age(s) of the rock unit or sedimentary stratum, including data important in determining the depositional history of the region and the timing of geologic events therein;
3. The fossils provide data regarding the development of biological communities or

interaction between paleobotanical and paleozoological biotas;

4. The fossils demonstrate unusual or spectacular circumstances in the history of life;
5. The fossils are in short supply and/or in danger of being depleted or destroyed by the elements, vandalism, or commercial exploitation, and are not found in other geographic locations.

As so defined, significant paleontological resources are determined to be fossils or assemblages of fossils that are unique, unusual, rare, uncommon, or diagnostically important. Significant fossils can include remains of large to very small aquatic and terrestrial vertebrates or remains of plants and animals previously not represented in certain portions of the stratigraphy. Assemblages of fossils that might aid stratigraphic correlation, particularly those offering data for the interpretation of tectonic events, geomorphologic evolution, and paleoclimatology are also critically important (Scott and Springer 2003; Scott et al. 2004).

BAC□GRO□ND

GEOLOGICAL SETTING

The Project is located within the Peninsular Range Geomorphic Province, which extends from Mount San □acinto in the north to Baja, California in the south and includes the Inland Empire, Los Angeles, Orange County, and San Diego areas of California. The Peninsular Ranges Geomorphic Province is located in the southwestern corner of California and is bounded by the Transverse Ranges Geomorphic Province to the north and the Colorado Desert Geomorphic Province to the east. This geomorphic province is characterized by elongated northwest-trending mountain ridges separated by sediment-floored valleys. Many faults to the west of the Salton Trough section of the San Andreas Fault Zone, parallel this northwest-southeast trending fault zone and have taken up some of the strain of the San Andreas. The San □acinto Fault Zone at the base of the San Timoteo Badlands to the southeast of the Project is one such fault zone.

To the east of the Project area, the San Andreas Fault Zone travels up Cajon Pass where it forms the boundary between the Pacific Plate and the North American Plate. The Transverse Ranges include the San Bernardino and San Gabriel mountains along with the paralleling ranges, all resulting from these two tectonic plates grinding past each other and "catching" along the bend in the San Andreas. The Project area is situated on the Pacific Plate, which is composed of numerous tectonic blocks that can move independently (Wagner 2002).

LATE PLEISTOCENE AND □OLOCENE □O□NG ALL□□IAL □AN DEPOSITS

The Project is mapped as undivided late Pleistocene and Holocene younger alluvial fan and valley deposits (Saucedo et al. 2016) (□unit □**yf**$_a$). These sediments range in age from as old as □126,000 years in age to the present. Young alluvial deposits consist of poorly sorted, poorly consolidated sand, silt, and clay. These deposits are loose to moderately dense (Saucedo et al. 2016).

PALEONTOLOGICAL SETTING

During the past 100,000 years or so, from the late Pleistocene on, southern California's climate has shifted from the cooler and damper conditions of the last glacial period to the warmer and dryer conditions of the Holocene interglacial. While continental ice sheets covered the interior of northern North America, southern California was ice free. Extinct megafauna of the region during the late Pleistocene are seen at the Rancho La Brea "tar pits" in Los Angeles as well as the Diamond Valley Lake Reservoir in Hemet, Riverside County. Ground sloths, mammoths, mastodons, bison, camels, horses, dire wolves, sabre-toothed cats, and American lions typified the fauna from the late Pleistocene until the start of the early Holocene approximately 11,700 years ago.

Fossils of Monterey cypress (*Hesperocyparis macrocarpa*), Monterey pine (*Pinus radiata*), and Torrey pine (*Pinus* sp. cf. *P. torreyana*) have been found in middle to late Pleistocene deposits in the Wilshire District of Los Angeles (Scott et al. 2014). Fossils of Monterey cypress are also known from middle to late Pleistocene deposits in Costa Mesa, California and the late Pleistocene Rancho La Brea asphalt seeps of the Wilshire District of Los Angeles (Axelrod and Govean 1996; Stock and Harris 1992). Today the most restricted conifers (Monterey cypress and Torrey pine) only inhabit locations on the coasts with cool, moist summers characterized by abundant sea fog. These locations experience a mean summer high temperature of 70°F - 83°F (21.1°C - 28.3°C). Winters are cool and damp with average precipitation of 10.59” - 32.41” (26.90cm - 82.32cm). Cold water upwellings due to submarine canyons adjacent to the shore near the relict populations create these conditions (Intellicast 2014; the Weather Channel 2014).

EN□IRONMENTAL SETTING

The City of Garden Grove is located approximately 25 miles southeast of Los Angeles and six miles northeast of the Pacific Ocean, on the western border of the Santa Ana Valley. Carbon Creek lies approximately two miles to the north and the Santa Ana River eight miles to the east. The current Mediterranean-like climate is characterized by warm, dry summers and cool, moist winters with rainfall predominately falling between November and May.

Prior to development, the native vegetation of the Santa Ana Valley included California sagebrush (*Artemisia californica*), coyote brush (*Baccharis pilularis var. consanguinea),* California buckwheat (*Eriogonum fasciculatum*), lemonade berry (*Rhus integrifolia*), poison oak (*Toxicodendron diversiloba*), purple sage (*Salvia leucophylla*), and black sage (*Salvia mellifera*; Ornduff et al. 2003). Additional common species include brittlebush (*Encelia californica*), chamise (*Adenostoma fasciculatum*), white sage (*Salvia apiana),* Our Lord’s candle (*Hesperoyucca whipplei*), and prickly pear cactus (*Opuntia*; Hall 2007). Modern vegetation in this portion of Orange County includes grasslands and California coastal sage scrub with non-native species mixed in. Grasses such as slender wild oat (*Avena barbata*), ripgut brome (*Bromus diandrus*), and giant reed (*Arundo donax*); shrubs and trees including blackwood acacia (*Acacia melanoxylon*), saltcedar (*Tamarix ramosissima*), eucalyptus (*Eucalyptus spp.),* and Brazilian pepper (*Schinus terebinthifolius*) are common (Cal-IPC 2006).

Large native land mammals of the region included mule deer (*Odocoileus hemionus*), bighorn sheep ([1]*‡Ovis canadensis*), tule elk (*‡Cervus canadensis nannodes*), pronghorn (*‡Antilocapra americana*), bison (*‡Bison bison*), bobcat (*‡Lynx rufus*), mountain lion (‡*Felis concolor),* jaguar (*‡Panthera onca),* coyote (*Canis latrans*), grey wolf (*‡Canis lupus*), black and grizzly bears (*‡Ursus americanus*, *‡Ursus arctos*). Smaller native fauna included rabbits *(‡Lepus californicus,*

[1] ‡ - indicates that the species has been extirpated from Southern California.

Sylvilagus audubonii, ‡Sylvilagus bachmani), desert tortoise (*‡Gopherus agassizii*), and numerous other species (California Department of Fish and Game 2024). In recent history, urban development has driven most animals from the area, although mule deer, bobcat, and coyotes still occur in the surrounding hills.

PRE□ISTORIC SETTING

Approaches to prehistoric frameworks have changed over the years from being based on material attributes to radiocarbon chronologies to association with cultural traditions. Archaeologists defined a material complex consisting of an abundance of milling stones (for grinding food items) with few projectile points or vertebrate faunal remains dating from about 7,000 to 3,000 years before the present as the "Millingstone Horizon." Later, the "Millingstone Horizon" was redefined as a cultural tradition named the Encinitas Tradition with various regional expressions including Topanga and La □olla. Use by archaeologists varied as some adopted a generalized Encinitas Tradition without regional variations, some continued to use "Millingstone Horizon" and some used Middle Holocene (the time period) to indicate this observed pattern (Sutton and Gardner 2010:1-2).

Recently, the fact that generalized terminology is suppressing the identification of cultural, spatial and temporal variation and the movement of peoples throughout space and time was noted. These factors are critical to understanding adaptation and change (Sutton and Gardner 2010:1-2).

The latest cultural revisions for the Project area define traits for time phases of the Greven □noll pattern of the Encinitas Tradition applicable to the Glendora area (Sutton and Gardner 2010; Table 1). This pattern is replaced in the Project area by the Angeles pattern of the Del Rey Tradition later in time (Sutton 2010; Table 1). Each pattern has subdivisions as identified by specific changes in cultural assemblages through time. Phases are identified by their archaeological signatures in components within sites.

Greven □noll sites tend to be in valleys similar to areas like the Project area. These inland peoples did not switch from manos/metates to pestles/mortars like coastal peoples (c. 5,000 years before present); this may reflect their closer relationship with desert groups who did not exploit acorns.

Table 1. Culture Chronology

PATTERN	P□ASE	DATES □BP□	MATERIAL TRAITS	OT□ER TRAITS
Encinitas	Greven □noll I	8,500 to 4,000	Abundant manos and metates, Pinto dart points for atlatls or spears, charmstones, cogged stones and discoidals rare, no mortars or pestles, general absence of shell artifacts	No shellfish, hunting important, flexed inhumations, cremations rare
	Greven □noll II	4,000 to 3,500	Abundant manos and metates, Elko dart points for atlatls or spears, core tools, late discoidals, few mortars and pestles, general absence of shell artifacts	No shellfish, hunting and gathering important, flexed inhumations, cremations rare
Angeles	Angeles I	3,500 to 2,600	Appearance of Elko dart points and an increase in the overall number of projectile points from Encinitas components; beginning of large-scale trade in small steatite artifacts (effigies, pipes, and beads) and *Olivella* shell beads from the southern Channel Islands; appearance of single-piece shell fishhooks and bone harpoon points; Coso obsidian becomes important; appearance of donut stones	appearance of a new biological population (Takic proto-Gab/Cupan language), apparent population increase; fewer and larger sites along the coast; collector strategy; less overall dependence on shellfish but fishing and terrestrial hunting more important; appearance of flexed and extended inhumations without cairns, cremations uncommon
	Angeles II	2,600 to 1,600	Continuation of basic Angeles I material culture with the addition of mortuary features containing broken tools and fragmented cremated human bone; fishhooks become more common	continuation of basic Angeles I settlement and subsistence systems; appearance of a new funerary complex
	Angeles III	1,600 to 1,250	Appearance of bow and arrow technology (e.g., Marymount or Rose Spring points); changes in *Olivella* beads; asphaltum becomes important; reduction in obsidian use; Obsidian Butte obsidian largely replaces Coso	larger seasonal villages; flexed primary inhumations but no extended inhumations and an increase in cremations; appearance of obsidian grave goods; possible expansion into eastern Santa Monica Mountains, replacing Topanga III groups
	Angeles IV	1,250 to 800	Cottonwood points appear; some imported pottery appears; birdstone effigies at the beginning of the phase and "spike" effigies dropped by the end of the phase; possible appearance of ceramic pipes	change in settlement pattern to fewer but larger permanent villages; flexed primary inhumations continue, cremations uncommon; expansion into the San Gabriel Mountains, displacing Greven □noll III groups

PATTERN	P□ASE	DATES □BP□	MATERIAL TRAITS	OT□ER TRAITS
	Angeles V	800 to 450	Trade of steatite artifacts from the southern Channel Islands becomes more intensive and extensive, with the addition or increase in more and larger artifacts, such as vessels and comals; larger and more elaborate effigies	strengthening of ties, especially trade, with southern Channel Islands; expansion into the northern Santa Ana Mountains and San □oaquin Hills; development of mainland dialects of Gabrielino
	Angeles VI	450 to 150	Addition of Euroamerican material culture (e.g., glass beads and metal tools), locally made pottery, metal needle-drilled *Olivella* beads	change of settlement pattern, movement close to missions and ranches; use of domesticated species obtained from Euroamericans; flexed primary inhumations continue, cremations uncommon to the north (nearer the Chumash) but somewhat more common to the south (nearer the Luise□o); apparent adoption of Chingichngish religion

The Greven □noll toolkit is dominated by manos and metates throughout its extent. In Phase I, other typical characteristics were pinto dart points for atlatls or spears, charmstones, cogged stones, absence of shell artifacts and flexed position burials (Table 1). In Phase II, Elko dart points for atlatls or spears and core tools are observed along with increased indications of gathering (Table 1). In addition, the Greven □noll populations are biologically Yuman (based on skeletal remains) while the later Angeles populations are biologically Shoshonean (Sutton and Gardner 2010).

The Angeles pattern generally is restricted to the mainland and appears to have been less technologically conservative and more ecologically diverse, with a largely terrestrial focus and greater emphases on hunting and nearshore fishing. In Angeles Phase I, Elko points for atlatls or darts appear, small steatite objects such as pipes and effigies from Catalina are found, shell beads and ornaments increase, fishing technologies increase including bone harpoons/fishhooks and shell fishhooks, donut stones appear, and hafted micro blades for cutting/graving wood or stone appear. In addition, several Encinitas (Topanga) traits, such as discoidals, cogged stones, plummet-like charm stones and cairn burials (see Sutton and Gardner 2010: Table 3) virtually disappear from the record. Mortuary practices changed to consist of primarily flexed primary inhumations, with extended inhumations becoming less common. Settlement patterns made a shift from general use sites being common to habitation areas separate from functional work areas. Subsistence shifted from mostly collecting to increased hunting and fishing (Sutton 2010).

The Angeles Phase II is identified primarily by the appearance of a new funerary complex, with other characteristics similar to Angeles I. The complex features killed (broken) artifacts including manos, metates, bowls, mortars, pestles, points, and others plus highly fragmented cremated human bones and a variety of faunal remains. In addition to the cremains, the other material also often burned. None of the burning was performed in the burial feature (Sutton 2010).

The Angeles III Phase is the beginning of what has been known as the Late Period and is marked by several changes from Angeles I and II. These include the appearance of small projectile points, steatite shaft straighteners and increased use of asphaltum all reflecting adoption of bow and arrow technology, obsidian sources changed from mostly Coso to Obsidian Butte and shell beads from Gulf of California species began to appear. Subsistence practices continued as before and the geographic extent of the Angeles Pattern increased (Sutton 2010).

Angeles Phase IV is marked by new material items including Cottonwood points for arrows, *Olivella* cupped beads and *Mytilus* shell disks, birdstones (zoomorphic effigies with magicoreligious properties) and trade items from the Southwest including pottery. It appears that populations increased and that there was a change in the settlement pattern to fewer but larger permanent villages. The presence and utility of steatite vessels may have impeded the diffusion of pottery into the Los Angeles Basin. The settlement pattern altered to one of fewer and larger permanent villages. Smaller special-purpose sites continued to be used (Sutton 2010).

Angeles V components contain more and larger steatite artifacts, including larger vessels, more elaborate effigies and comals. Settlement locations shifted from woodland to open grasslands. The exploitation of marine resources seems to have declined and use of small seeds increased. Many Gabrielino inhumations contained grave goods while cremations did not (Sutton 2010).

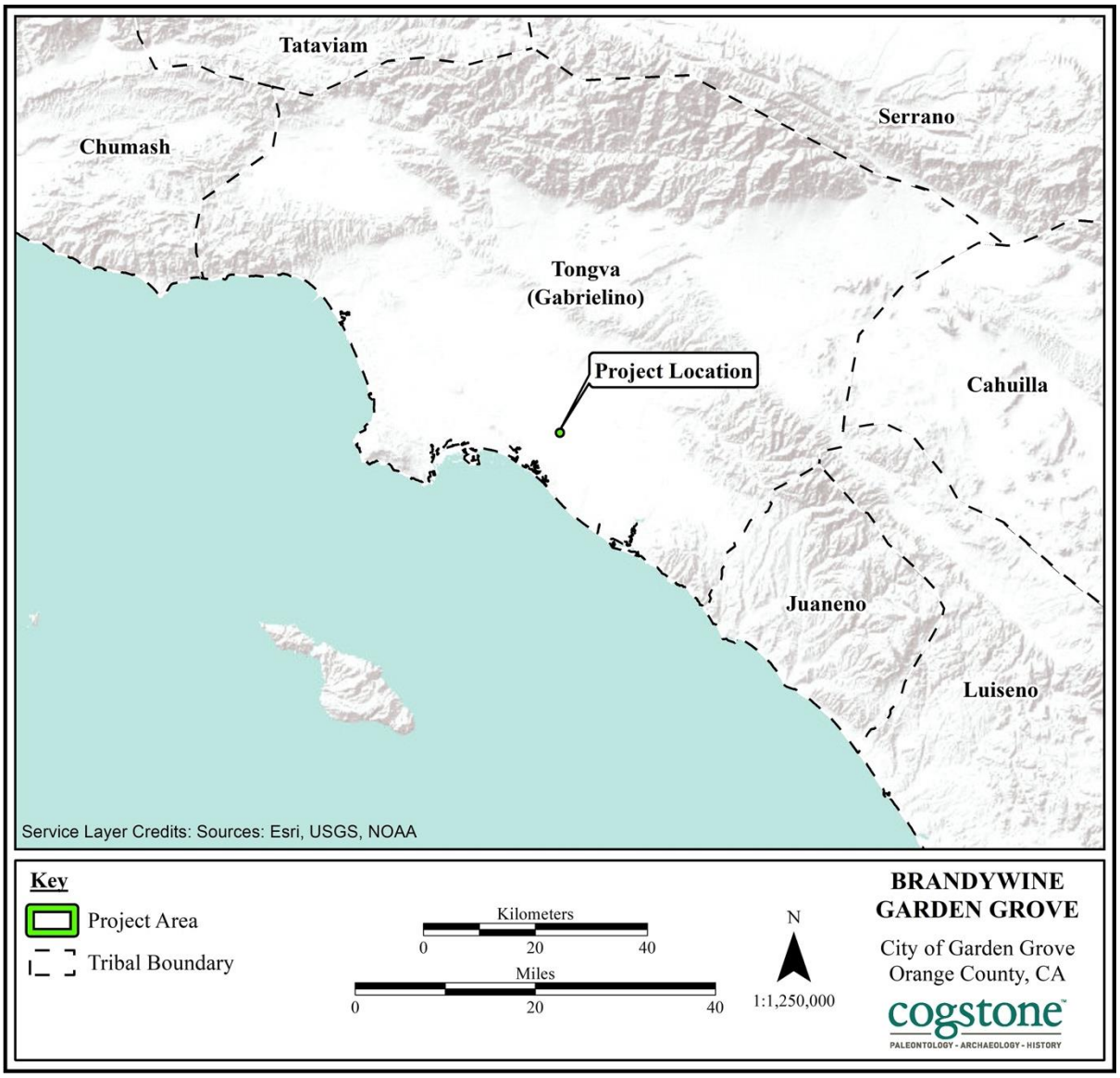
The Angeles VI phase reflects the ethnographic mainland Gabrielino of the post-contact (i.e., post-A.D. 1542) period. One of the first changes in Gabrielino culture after contact was undoubtedly population loss due to disease, coupled with resulting social and political disruption. Angeles VI material culture is essentially Angeles V augmented by a number of Euroamerican tools and materials, including glass beads and metal tools such as knives and needles (used in bead manufacture). The frequency of Euroamerican material culture increased through time until it constituted the vast majority of materials used. Locally produced brownware pottery appears along with metal needle-drilled *Olivella* disk beads (Sutton 2010).

The ethnographic mainland Gabrielino subsistence system was based primarily on terrestrial hunting and gathering, although nearshore fish and shellfish played important roles. Sea mammals, especially whales (likely from beached carcasses), were prized. In addition, a number

of European plant and animal domesticates were obtained and exploited. Ethnographically, the mainland Gabrielino practiced interment and some cremation (Sutton 2010).

ET□NOGRAP□□

The Project area is located within the traditional territory of the Gabrielino (Tongva) who were semi-sedentary hunters and gatherers (Figure 4). The Gabrielino speak a language that is part of the Takic language family. Their territory encompassed a vast area stretching from Topanga Canyon in the northwest, to the base of Mount Wilson in the north, to San Bernardino in the east, Aliso Creek in the southeast and the Southern Channel Islands, in all an area of more than 2,500 square miles (Bean and Smith 1978; McCawley 1996). At European contact, the tribe consisted of more than 5,000 people living in various settlements throughout the area. Some of the villages could be quite large, housing up to 150 people.



□igure 4. Tribal boundary map

□ISTORIC SETTING

SPANISH PERIOD (1769-1822)

The earliest explorations of California occurred in 1542, when □uan Rodr□guez Cabrillo and his party landed near Point Loma. Cabrillo had been tasked by the Spanish monarch with exploration of the western United States interior. Interaction with the native population was initiated, but intensive exploration and colonization of California by Spain did not occur until the 1700s.

In 1769, the Spanish developed plans to build three towns and four presidios (forts) along the California coastline stretching from San Diego northward to Monterey. The town sites,

established between 1777 and 1797, included present-day Los Angeles, San Jose, and a small town near Santa Cruz named Branciforte. The presidios were established at San Diego, Santa Barbara, Monterey, and San Francisco. Under Spain, the borderlands were colonized as defenses against the intrusion of the English, French, Dutch, and Russians, with the Manila trade an important item for protection in California. They were held by two typical institutions: the mission and the presidio (Avila 1976).

Mission San Gabriel was founded in 1771 and was the fourth of 21 Franciscan missions built in California. The goals of the missions were tri-fold: they established a Spanish presence on the west coast, provided a way to Christianize native peoples, and served to exploit native population as laborers. The mission system severely disrupted the Native socio-political structure, especially those living in close proximity (Loumala 1978:595).

Arrival of the Franciscan missionaries during the Spanish period resulted in far-reaching alterations in Native American lifeways. These shifts included high mortality rates and social changes due to the introduction of European diseases and customs (e.g., European farming methods; Dobyns 1983; Walker and Hudson 1989). Due to the high mortality rates, many Native American villages were abandoned, with inhabitants fleeing to the missions:

> "As the Native Americans watched the Europeans remain healthy during the epidemics, they began to view disease as a form of divine punishment for human transgressions" (Dobyns 1983). "Believing that the Christian God held a power greater than their own, the Natives willingly joined the Spanish missions." (Rushing 1995:15)

The Native population decreased as a consequence of a series of epidemics, and their traditional lifestyle was severely altered as neophytes were converted to Christianity and forced to work for the mission.

MEXICAN PERIOD (1822-1847)

After Mexico gained independence from Spain in 1821, major efforts were taken by the Mexican government to establish reliable land routes throughout Alta California. In the 1820s, a group of soldiers was dispatched from Sonora to do just that. The group documented new routes through San Diego County, Riverside County, through Mission San Gabriel and up to the pueblo of Los Angeles. In the early days, this route through Southern California was known as "El Camino Real" and would later be known as Sonora Road, the Colorado Road, and the Los Angeles to Yuma Road (Lech 2012).

New settlers purchased land and built their homes along the road which doubled as way stations for travelers. In 1826, the Mexican government declared that Sonora Road would serve as the official mail route between Mexico and California. In the hopes of staving off encroachment by the ever expanding United States, the Mexican government was eager to entice its own settlers to

travel north and populate California. However, this proved difficult as the best land in the region was already claimed by the numerous missions located there. As a response, in 1826, California Governor José Maria Echeandia announced a plan to secularize the missions and use the inhabitants to establish Native American village settlements. The same year, Governor Echeandia authorized a partial emancipation decree which allowed some "Mission Indians" to leave their missions and find work for Hispanic settlers. The partial emancipation policy began in the Monterey district and then later implemented elsewhere (Milliken et al. 2009).

In 1833, the southern Mission Prefect Narciso Duran wrote of the contrast of the quality of life of the natives that remained at the mission versus who were "emancipated" and worked in the pueblo of Los Angeles:

> "I have seen with the greatest amazement that [the Indians who dwell in the pueblo of Los Angeles]. . . live far more wretched and oppressed than those in the missions. There is not one who has a garden of his own, or a yoke of oxen, a horse, or a house fit for a rational being. The equality with the white people, which is preached to them, consists in this, that these Indians are subject to a white *comisionado*, and are the only ones who do the menial work . . . All in reality are slaves, or servants of white men who know well the manner of securing their services by binding them a whole year for an advanced trifle . . . The benevolent ideas of the Government will never be realized, because the Indian evinces no other ambition than to possess a little more savage license, even though it involved a thousand oppressions of servitude" (Milliken et al. 2009).

Following years of intense debate, the mission lands were secularized under the Secularization Act of 1833 and large portions of land reverted to the governor to parcel out as he saw fit. From 1834 to the end of the Mexican Period in 1846, approximately seven hundred land grants (ranchos) were issued to Mexican citizen (Lech 2012).

AMERICAN PERIOD (1848-PRESENT)

The Mexican-American war followed on the heels of the Bear Flag Revolt of June 1846 (Ohles 1997). General Andrés Pico and John C. Frémont signed the Articles of Capitulation in December 1847, and with the signing of the Treaty of Guadalupe Hidalgo in February 1848, hostilities ended and Mexico relinquished California to the United States. Under the treaty, Mexico ceded the lands of present-day California, Arizona, New Mexico and Texas to the United States for $15 million (Fogelson 1993:10). Within two years following the treaty, California applied for admission as a state.

Following vast territorial gains, a flood of American, European, and Asian settlers moved west. With the discovery of gold in California in 1849, by the following year, 100,000 settlers, all seeking gold, descended on California. Due to a lack of governmental authority and oversight,

there was widespread killing of natives and kidnapping of native children by miners (Castillo 2022).

In 1851, the State of California in conjunction with two senators in the United States Senate overturned multiple treaties that had been previously negotiated and signed by the Native Americans of California. As a result, until the 1870s, local tribes had no legal standing with the government until a presidential executive order was signed which established reservations for multiple tribes.

CITY OF GARDEN GROVE

The earliest known Anglo-European development of what would become Garden Grove is attributed to Dr. Alonzo Cook (1839-1932). A native of the State of Maine, Dr. Cook purchased 160 acres of land from the former Rancho Las Bolsas in 1874. He then donated land for the purpose of developing a post office and schoolhouse. Despite the area's wide open terrain, Dr. Cook expressed his desire to call the new settlement "Garden Grove."

As a farming community, early growth in Garden Grove was slow but gradual. By the time Orange County was officially formed in 1889, Garden Grove had reached a population of approximately 200. The arrival of the Pacific Electric Railway in 1905 resulted in a substantial increase in local settlement and trade. Farms exported crops such as walnuts, oranges, sugar beets, chili peppers, and lima beans. After the end of World War II, servicemen and their families moved west and Southern California experienced a boom in residential and commercial development. As a response, during the 1950s and 1960s Garden Grove's farmland became far more valuable as residential real estate with large suburbs replacing agricultural fields.

With an ever-increasing population, on June 18, 1956 Garden Grove officially incorporated as a city. The Eastgate Baptist Church was built within the Project area in 1960 during Garden Grove's post war growth.

PROJECT AREA HISTORY

A review of the earliest known United States Geological Survey (USGS) Topographic Map (Downey 1896) shows no built environment within the Project area between 1896 and 1950 (*Downey*, 1:62,500, 1896 and *Los Alamitos*, 1:24,000, 1950). A 1952 United States Department of Agriculture (USDA) aerial topographic map shows the Project area and the surrounding area consists of vast agricultural fields (NETROnline 1950).

A review of historic newspaper articles announces the construction of the church in 1960 and the educational building in ca. 1961 (*The Bulletin* 1960). The small ancillary building to the south of the educational building is estimated to have been built ca. 1961 based on a review of a 1963 USDA aerial photograph (NETROnline 1963). Between 1972 and 1988, a one-story addition was constructed at the south elevation of the church (NETROnline 1972 and 1988).

RECORDS SEARC□

PALEONTOLOGICAL RECORD SEARC□

A record search for the Project was obtained from the Natural History Museum of Los Angeles County (Bell 2024; Appendix B). Online records from the University of California Museum of Paleontology database (UCMP 2024) and the PaleoBiology Database (PBDB 2024) were searched for fossil records as well as print sources (□efferson 1991a, 1991b).

The Project is mapped as late Pleistocene and Holocene younger alluvial fan deposits (Saucedo et al. 2016) (□unit □**yf**$_a$); these deposits range in age from as old as □126,000 years in age to the present. The results of this review confirmed that significant paleontological resources have not been identified or recovered within the boundaries of the Project. However, paleontological localities have been recorded within a few miles of the Project, albeit from older geological units that the sediments mapped at the surface therein (Bell 2024; Appendix B).

CALI□ORNIA □ISTORICAL RESO□RCES IN□ORMATION S□STEM RECORD SEARC□

Cogstone archaeologist Logan Freeberg requested a search of the California Historical Resources Information System (CHRIS) from the South-Central Coastal Information Center (SCCIC) located at California State University Fullerton on April 29, 2024, which included the entire proposed Project area as well as a 0.5-mile radius. Results of the record search indicate that one previous study has been completed within the Project area while two studies have been completed previously within a 0.5-mile radius of the Project area (Table 2).

Table 2. Previous Studies □ithin a 0.5□mile radius of the Pro□ect area.

Report No. □OR□□	Author□s□	Title	□ear	Pro□ect area
01732	Bissell, Ronald M.	Cultural and Paleontological Study in Support of Irrigation Improvements to the Navy Golf Course, Weapons Support Facility Command, Los Alamitos Armed Forces Reserve Center, Orange County, California	1998	0.5
01949	Padon, Beth, McLean, Deborah □.B., Strudwick, Ivan H., and Sturm, Bradley L.	Cultural Resource Assessment for the City of Garden Grove	1995	Within
02546	Duke, Curt	Cultural Resource Assessment Cingular Wireless Facility No. SM 236-01 Orange County, California	2002	0.5

No cultural resources have been recorded within the Project area. Outside of the Project area one cultural resource has been previously documented within the 0.5-mile search radius from the Project area (Table 3).

Table 3. Previously Recorded Cultural Resources □ithin a 0.5□mile radius of the Pro□ect area

Primary No. □P□ 30□	Trinomial No.	Resource Type	Resource Description	□ear Recorded	Distance □rom Pro□ect area	NR□P□ CR□R Status
176854		Historic Resource	Military Property, "Navy Golf Course, Seal Beach," 1967	1998	0.5 mile	6

OT□ER SO□RCES

In addition to the SCCIC records search, a variety of sources were consulted in □une 2024 to obtain information regarding the cultural context of the Project vicinity (Table 4). Sources included the National Register of Historic Places (NRHP), California Register of Historical Resources (CRHR), Built Environment Resource Directory (BERD), California Historical Landmarks (CHL), and California Points of Historical Interest (CPHI). Specific information about the Project area, obtained from historic-era maps and aerial photographs, is presented in the Project area History section.

Table 4. Additional Sources Consulted

Source	Results
National Register of Historic Places (NRHP)	Negative
Historic USGS Topographic Maps	See Project Area History section
Historic US Department of Agriculture Aerial Photographs	See Project Area History section
California Register of Historical Resources (CRHR)	Negative
Built Environment Resource Directory (BERD)	Negative
California Historical Landmarks (CHL)	Negative
California Points of Historical Interest (CPHI)	Negative
Bureau of Land Management (BLM) General Land Office Records	Positive: See Table 5.
Local Registers (Historical Societies/Archives)	Negative
Local Historical Societies	A request for information was sent to the Garden Grove Historical Society on May 29, 2024 and □une 20, 2024 via USPS. No response has been received.

Table 5. BLM search results

Name	Accession No.	Authority	□ear	Location
Able Stearns	CACAAA 084787	Grant-Spanish/Mexican	1874	T4S, R11W, S28

Able Stearns (1798–1871)

Abel Stearns was one of the richest and most influential citizens of Los Angeles during his lifetime. Born in Massachusetts in 1799, he eventually made his way to California and settled in Los Angeles around 1833. Mr. Stearns made a large amount of money in trade and eventually purchased large swaths of real estate including Ranchos Los Alamitos, Las Bolas, La Laguna de Los Angeles and half interest in Los Coyotes. In 1849 he was a member of the first Constitutional Convention representing the district of Los Angeles. Mr. Stearns became one of the largest land and cattle owners in California. His wife, Dona Arcadia, who was the daughter of Don Juan Bandini, inherited the entire estate upon his death in 1871 (Barrows 1899).

HISTORICAL SOCIETY CONSULTATION

Two requests for information were sent to the Garden Grove Historical Society via United States Postal Service. On July 5, 2025, a reply was set via electronic mail from Barbara Gossett (archivist) of the Garden Grove Historical Society. Ms. Gossett states that the historical society has “no concerns about the property proposed for development”. (Appendix D)

NATIVE AMERICAN CONSULTATION

A Sacred Lands File (SLF) search was requested from the Native American Heritage Commission (NAHC) on April 29, 2024 (Appendix E). On May 14, 2024, the NAHC responded that the SLF search was completed with negative results and provided a list of 18 Native American tribal organizations and individuals that may have information about the Project area. The City of Garden Grove will conduct Native American consultation in accordance with Assembly Bill (AB) 52 and Senate Bill (SB) 18.

S□R□E□

MET□ODS

The built environment resources survey identified and verified the location of all structures and buildings within the Project area aged 45 years or older. Once identified, historic built environment resources were examined to ascertain if they are recommended eligible for listing as a historical resource at the local, state, or national level and if the original integrity of the resource remains intact. The seven aspects of integrity which are considered as part of a determination of eligibility include: location, design, setting, materials, feeling, workmanship, and association.

Cogstone architectural historian Shannon Lopez visited the Project area on □une 7, 2024. Ms. Lopez photographed the exterior of the historic in age buildings and documented these resources on one set of Department of Parks and Recreation 523 (DPR 523) forms (Appendix E). There are three buildings associated with 5802 Santa Catalina Avenue (Figures 5-7): the one-story church (built 1960), the two-story educational building (built ca. 1961), and the small one-story ancillary building (ca. 1960).

RES□LTS

Church

The church is a Modern style building with distinct Gothic style elements including the pointed gothic archways, steep pitched roof, and stained-glass windows. The building exterior is clad with stucco and some wood paneling. The front entrance (north fa□ade) faces the street and consists of large flush steel double doors, with large stained-glass sidelights and broken triangular stained glass transom. A steep pitched gabled roof porch supported by two wood posts set in cylindrical concrete anchors covers the main entrance. The wood posts rise up into the soffit forming a high pointed arch (or Gothic arch). Additional pointed arches cut out of the walls of the overhanging eaves flank the main entrance at the west and east wings of the building.

The west and east elevations of the church share matching features such as flat wide roof overhangs with exposed eaves, five identical narrow rectangular stained glass windows in aluminum frames, and flush pedestrian doors at the southern end of their respective elevations. A one-story, rectangular building addition with a flat roof is at the south elevation of the church, along with four matching, aluminum framed, sliding windows and one small one-over-one glass window. Flush pedestrian doors are in the middle and the western end of this elevation.

Educational Building

North □a□ade

This building is a two-story Vernacular building with a high pitched roof clad in composition shingles and a narrow roof overhang with exposed eaves. The building is clad in stucco and organized in a rectangular footprint. Brick pillars set in a running bond are at all four corners of the building. The front of the building (north fa□ade) faces the street and consists of flush double doors outlined in brick and organized in a Stack Bond, and eight matching sliding windows with aluminum frames and concrete window stool (three windows on the first floor and five windows on the second floor).

□ est Elevation

Five large rectangular sliding windows with concrete window stools are at the first floor of the west elevation. Two additional window openings at this level are filled by air-conditioning units. A shed style building projection with a flush pedestrian door is set at the middle of this elevation. The seven large windows at the second floor level match those on the first floor. One additional window opening is filled by an air-conditioning unit.

East Elevation

Two sets of matching flush double doors and one flush single door are at the first floor of the east elevation. There are nine sliding aluminum framed windows with concrete window stools, two of which are small rectangular windows and seven are large. The 11 windows on the 2nd floor level of this elevation are large sliding aluminum framed windows with concrete window stools.

South Elevation

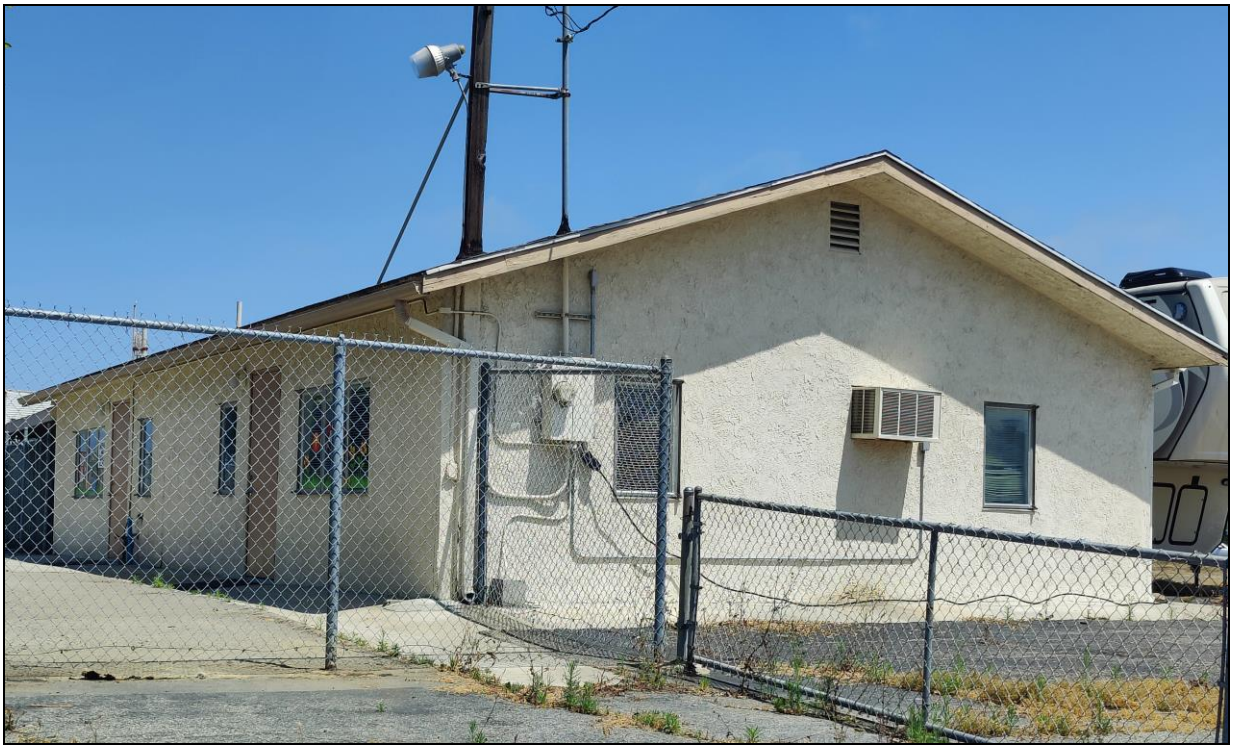
Two sliding aluminum framed windows with concrete window stools are at the first floor of this elevation. A set of double doors outlined in brick, organized in a Stack Bond, is in the middle. The five windows at the second floor elevation are matching sliding aluminum framed windows with concrete window stools.

Ancillary Building

This is a one-story building with a normal pitched gabled roof with wide overhanging eaves, louvered gabled roof vents, rectangular footprint, and clad in stucco. It is located south of the Educational Building. The north fa□ade features two matching flush doors, two large sliding windows with aluminum frames, and two fixed rectangular windows. Two matching fixed windows with aluminum frames are at the west elevation. A flat roofed wood paneled building extension with a vinyl framed sliding windows with false muntins is at the east elevation. Two large square sliding windows with aluminum frames and two fixed rectangular windows with aluminum frames are at the south elevation.

Figure 5. North elevation of Church, facing south.

Figure 6. Educational Building, north façade (left) and West elevation (right), facing southeast.



□igure 7. Ancillary building, north fa□ade □left□and □est elevation □right□, facing southeast.

□ISTORIC B□ILT EN□IRONMENT ASSESSMENT

To be eligible for the National Register of Historic Places (NRHP) or the California Register of Historical Resources (CRHR) a resource must:

A/1. be associated with events that have made a significant contribution to the broad patterns of history;
B/2. be associated with the lives of significant persons of the past;
C/3. embody distinctive characteristics of type, period, or method of construction or represent the work of a master, or possess high artistic value, or represent a significant and distinguishable entity those components may lack individual distinction; or
D/4. yielded or may likely yield information important in history or prehistory.

In addition to having significance using the above criteria, resources must have "integrity of location, design, setting, materials, workmanship, feeling, and association" to the period of significance (OHP 2011). The period of significance is the date or span of time within which significant events transpired, or significant individuals made their important contributions. Integrity is the authenticity of a historical resource's physical identity as evidenced by the survival of characteristics or historic fabric that existed during the resource's period of significance. Alterations to a resource or changes in its use over time may have historical, cultural, or architectural significance. Simply, resources must retain enough of their historic character or appearance to be recognizable as historical resources and to convey the reasons for their significance.

5802 SANTA CATALINA AVENUE (GRACE BAPTIST CHURCH OF GARDEN GROVE)
Theme: Local Religious Development
Period of Significance: 1960-1979
Property Type: Religious Building

Criteria A□1
Is this resource associated □ith events that have made a significant contribution to the broad patterns of history□
The Eastgate Baptist Church was constructed during a period of substantial residential and commercial growth within Garden Grove in the early 1960s. It has continuously served the local community as a place of worship, providing religious education and child care. However, following extensive background research of historic newspapers and in-person consultation with longtime residents, the Eastgate Baptist Church is not known to be associated with events that have made a significant contribution to the broad patterns of history. Therefore, this resource is

recommended not eligible for listing in the NRHP under Criterion A or the CRHR under Criterion 1.

Criteria B□2
Is this resource associated □ith the lives of significant persons of the past□
According to a search of historic newspapers, Dr. Floyd Lefevers was the first pastor of the Eastgate Baptist Church. Dr. Lefevers served previously as the pastor of Trinity Baptist Church in Fort Worth, Texas, for 17 years. He was a graduate of Oklahoma Baptist University and Southwestern Baptist Seminary in Fort Worth. He and his wife, Faye Marie Lefevers, had three children, David, Helen and Cecil. Their son Cecil (Lt. Colonel Cecil E. Lefevers) retired as a highly decorated Air Force pilot. While a respected pastor with a long career, Dr. Lefevers' contributions to the Eastgate Baptist Church does not rise to the level required to be considered significant to history. Therefore, the Eastgate Baptist Church is recommended not eligible for listing in the NRHP under Criterion B or the CRHR under Criterion 2.

Criteria C□3
Does this resource embody distinctive characteristics of type, period, or method of construction or represent the □or□of a master, or possess high artistic value, or represent a significant and distinguishable entity those components may lac□individual distinction□
The Eastgate Baptist church represents a Modern architectural style with some Gothic style elements. The exterior of the church and associated educational building are well maintained but are not an exemplary representations of a type, method of construction, does not possess high artistic value, and does not represent the work of a master. Therefore, the Eastgate Baptist Church is recommended not eligible for listing in the NRHP under Criterion C or the CRHR under Criterion 3.

Criteria D□4
□as this resource yielded or may li□ely yield information important in history or prehistory□
Criterion D/4 is most often applied to archaeological sites and districts but can also apply to buildings, structures, and/or objects. This resource does not exhibit a local variation of a standard design or construction technique that can yield important information (such as construction expertise or availability of local materials). Therefore, this resource is recommended not eligible for listing in the NRHP under Criterion D or the CRHR under Criterion 4.

Integrity: Based on a review of historic USDA aerial photographs and intensive pedestrian survey, these buildings appear to maintain their integrity of location, setting, design, materials, workmanship, and association. There is some alteration to the overall feeling of the church and educational building when their exteriors were painted from light beige to dark blue in 2024.

RECOMMENDATIONS

PALEONTOLGICAL RESO□RCES

A multilevel ranking system was developed by professional resource managers within the Bureau of Land Management (BLM) as a practical tool to assess the sensitivity of sediments for fossils. The Potential Fossil Yield Classification (PFYC) system (BLM 2016; Appendix C) has a multi-level scale based on demonstrated yield of fossils. The PFYC system provides additional guidance regarding assessment and management for different fossil yield rankings.

Fossil resources occur in geologic units (e.g., formations or members). The probability for finding significant fossils in a Project area can be broadly predicted from previous records of fossils recovered from the geologic units present in and/or adjacent to the study area. The geological setting and the number of known fossil localities help determine the paleontological sensitivity according to PFYC criteria.

All alluvial deposits may increase or decrease in fossiliferous potential depending on how coarse the sediments are. Sediments that are close to their basement rock source are typically coarse; those farther from the basement rock source are finer. The chance of fossils being preserved greatly increases once the average size of the sediment particles is reduced to 5 mm or less in diameter. Moreover, fossil preservation also greatly increases with rapid burial in floodplains, rivers, lakes, oceans, etc. Remains left on the ground surface become weathered by the sun or consumed by scavengers and bacterial activity, usually within 20 years or less. This being the case, the sands, silts, and clays of floodplains, rivers, lakes, and oceans are the most likely sediments to contain fossils.

Using the PFYC system, geologic units are classified according to the relative abundance of vertebrate fossils or scientifically significant invertebrate or plant fossils and their sensitivity to adverse impacts within the known extent of the geological unit. Although significant localities may occasionally occur in a geologic unit, a few widely scattered important fossils or localities do not necessarily indicate a higher PFYC value; instead, the relative abundance of localities is intended to be the major determinant for the value assignment.

The Project is mapped as late Pleistocene and Holocene younger alluvial fan deposits. Additionally, older Pleistocene old alluvium may be present at depth; the records search revealed that fossils previously recovered in older Pleistocene and earlier sediments occurred at the surface in the vicinity of the Project (Appendix B). For this reason, areas mapped at the surface as late Pleistocene and Holocene younger fan deposits are assigned a low potential for fossils (PFYC 2) at depths of five (5) feet or less below the modern surface, due to the presumed lack of fossils in these deposits. Below this depth, these sediments may have increased potential for

fossils, and so are assigned moderate sensitivity for fossils (PFYC 3). Additionally, should Pleistocene older alluvium be encountered at any depth in the subsurface, this sedimentary unit would also have moderate potential for fossils (PFYC 3) due to similar deposits producing fossils at the surface near to the study area (Appendix B).

Full-time paleontological monitoring is not recommended for these deposits at this time. A Workers Environmental Awareness Program is recommended for the Project in advance of construction-related excavation. If unanticipated discoveries of paleontological resources occur during construction, all work within 50 feet of the discovery should be halted until the find has been evaluated by a qualified paleontologist. Should fossils be found, a paleontology mitigation plan should be developed, and paleontological monitoring implemented.

C□LT□RAL RESO□RCES

Based on a review of the SCCIC record search results, review of historic USGS topographic quadrangle maps, and USDA aerial photographs, the Project area is assessed to have a low sensitivity for buried pre-contact and historic-aged cultural deposits.

The pedestrian survey was conducted on □une 6, 2024, by Architectural Historian Shannon Lopez. Three historic in age buildings at 5802 Santa Catalina Avenue were photographed and documented on DPR 523 forms. Due to a lack of historic significance the buildings at 5802 Santa Catalina Avenue is recommended not eligible for listing on the National, State, or Local Register. No further work is recommended at this time.

In the event of an unanticipated discovery, all work must be suspended within 50 feet of the find until a qualified archaeologist evaluates it. In the unlikely event that human remains are encountered during project development, all work must cease near the find immediately.

In accordance with California Health and Safety Code Section 7050.5, the County Coroner must be notified if potentially human bone is discovered. The Coroner will then determine within two working days of being notified if the remains are subject to his or her authority. If the Coroner recognizes the remains to be Native American, he or she shall contact the Native American Heritage Commission (NAHC) by phone within 24 hours, in accordance with Public Resources Code Section 5097.98. The NAHC will then designate a Most Likely Descendant (MLD) with respect to the human remains. The MLD then has the opportunity to recommend to the property owner or the person responsible for the excavation work means for treating or disposing, with appropriate dignity, the human remains and associated grave goods. Work may not resume in the vicinity of the find until all requirements of the health and safety code have been met.

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APPENDI□ A. □□ALI□ICATIONS

MOLL□ □ALASI□
Project Manager

ED□CATION

2009 M.A., Anthropology, □ent State University, □ent, Ohio
2006 B.A., Anthropology, Ohio State University, Columbus, Ohio

S□MMAR□ □ □ALI□ICATIONS

Ms. Valasik serves as Cogstone's CEO and CFO and helps guide the vision and direction of Cogstone. She has been with the company since 2009 and has helped transition Cogstone from sole ownership to multiple owners with an active board of directors. Ms. Valasik is a Registered Professional Archaeologist (RPA □989162) with more than 15 years of experience. She is a skilled professional who is well-versed in the compliance procedures of the California Environmental □uality Act (CE□A), the National Environmental Policy Act (NEPA), and Sections 106 and 110 of the National Historic Preservation Act (NHPA) and regularly prepares cultural resources assessment reports for a variety of federal, state, and local agencies throughout California. Ms. Valasik has managed projects in the water, transportation, energy, development, and federal sectors. She meets the qualifications required by the Secretary of the Interior's *Standards and Guidelines for Archaeology and Historic Preservation*. She is accepted as a Principal Investigator for prehistoric archaeology by the State Historic Preservation Office (SHPO) and is listed as a Principal Investigator on Cogstone's Bureau of Land Management (BLM) Cultural Resource Use Permit.

SELECTED E□PERIENCE

Long Beach Mar□etplace Mixed□□se, City of Long Beach, Los Angeles County, CA. Cogstone conducted a historic built environment evaluation for this project, which involved the demolition of two existing office buildings and the new construction of a six-story mixed-use development comprised of 390 apartment units with 4,800 square feet of ground floor retail. Services included background research, consultation with local historical societies, and a built environment survey. Three historic in age buildings were recorded on California Department of Parks and Recreation DPR 523 (DPR 523) forms and evaluated for listing in the California Register of Historical Resources (CRHR). A Historic Built Environment Evaluation report was prepared. All work was done in compliance with the mitigation measures for the project. Sub to PlaceWorks. Project Manager. 2023

Concord □untington Par□ Apartments, City of □untington Beach, Los Angeles County, CA. This study was conducted to determine potential impacts to cultural resources resulting from the project, which included seismically retrofitting the 15-story apartment building and replacing the roof. Services included records searches, a Sacred Lands File search from the Native American Heritage Commission (NAHC), a Built Environment survey, and preparation of a Cultural Resources Assessment Report. National Register of Historic Places (NRHP) and CRHR eligibility was evaluated and DPR 523 forms were completed for the building. As the entire area is landscaped, hardscaped, or covered by buildings, an archaeological survey was not conducted. The United States Department of Housing and Urban Development (HUD) is the lead agency under NEPA and the NHPA. Sub to Partner Engineering and Science, Inc. Project Manager. 2022

Linbroo□ □illas Pro□ect, City of Anaheim, Orange County, CA. Cogstone conducted a cultural resources assessment to determine the potential impacts to cultural resources during the construction of 12 single-family attached dwelling units in four three-story townhome buildings. An existing 3,848 square foot single-family residence, guest house, pool, and paved surface parking lot would be demolished to make way for the new development. Cogstone conducted a cultural resources records search, consultation with local historical societies, and a pedestrian survey. The existing single-family home and guest house were recorded on DPR 523 forms and evaluated for NRHP and CRHR eligibility. A Cultural Resources Assessment Report was prepared to document the results. The City of Anaheim was the lead agency under CE□A. Sub to PlaceWorks. Project Manager. 2021

ALISON BR□SON□DE□ERA□□
Principal Investigator for Archaeology and Co-author

ED□CATION

2017 M.A., Historic Preservation, Prescott College
2007 B.A., Anthropology, University of California, Santa Barbara

S□MMAR□ □□ALI□ICATIONS

Ms. Bryson-Deveraux is an archaeologist with over 20 years of experience throughout the state of California. Her field expertise includes pedestrian surveys, excavation, site compilation, and mitigation monitoring. Ms. Bryson-Deveraux has led a variety of projects at Cogstone in the water, development, and public works sectors. Prior to her role as Principal Investigator at Cogstone, she served as Lead Archaeologist for seven years on local oil field remediation projects which included repatriation. Ms. Bryson-Deveraux specializes in the prehistory and history of California. She meets the qualifications required by the Secretary of the Interior's *Standards and Guidelines for Archaeology and Historic Preservation* and is listed as a Field Director on Cogstone's Bureau of Land Management (BLM) Cultural Resource Use Permit.

SELECTED E□PERIENCE

Morro Bay □ ater □acility Pro□ect Phase II, City of Morro Bay, San Luis Obispo County, CA. Cogstone provided cultural and paleontological resources monitoring during ground disturbing activities during the City of Morro Bay's Water Reclamation Facility Lift Stations and Offsite Pipelines Construction Project. Cogstone also scheduled and coordinated Native American monitoring provided by four Tribes. Excavation in a portion of the project required a permit from the United States Fish and Wildlife Service. The project was completed in compliance with mitigation measures from the Environmental Impact Report for the Project. Cogstone provided cultural and paleontological resources Workers Environmental Awareness Program (WEAP) training during construction. In addition, a paleontological resources assessment was completed to identify which portions of the project required paleontological resources monitoring. Cogstone recorded and provided a preliminary evaluation for ten newly identified archaeological sites and updated three previously recorded archaeological sites. Cogstone drafted a Cultural and Paleontological Resources Monitoring Compliance Report for City review and comment. Federal funding for the project required compliance with Section 106 of the National Historic Preservation Act (NHPA), along with the California Environmental □uality Act (CE□A). The United States Environmental Protection Agency acted as federal lead and the City acted as state lead agency, with permitting by the California Coastal Commission, Caltrans, and the State Water Resources Control Board. Prime. Principal Investigator for Archaeology. 2022-2023

Pius Estate □ inery, San Luis Obispo County, CA. Cogstone conducted a cultural and paleontological resources assessment to determine the potential impacts to cultural and paleontological resources resulting from the project. The 29.5-acre project area was previously developed with an existing winery, tasting room, outbuildings, and a barn. Improvements included construction of a subterranean barrel and tank room with wine storage, and a two-story above-grade structural addition. Cogstone's services included cultural and paleontological resources records searches, background research, a Sacred Lands File search from the Native American Heritage Commission (NAHC), and an intensive pedestrian survey. Cogstone prepared a Cultural and Paleontological Resources Assessment Report to document the results of the assessment. San Luis Obispo County was the lead agency for this project under CE□A. Sub to Private Developer. Principal Investigator for Archaeology. 2023

Cold Canyon Landfill Expansion Module 12, Arroyo Grande, San Luis Obispo County, CA. Cogstone conducted archaeological and paleontological resources monitoring for the expansion of an existing landfill. In addition, Cogstone provided WEAP training for all construction personnel. A Cultural and Paleontological Resources Monitoring Compliance Report will be prepared upon completion of monitoring. All work complies with the conditions for paleontology and archaeology under the Conditional Use Permit for the project. Upon completion of monitoring, Cogstone will prepare a Cultural and Paleontological Resources Monitoring Compliance Report. San Luis Obispo is the lead agency under CE□A. Sub to Waste Connections, Inc. Principal Investigator for Archaeology. 2023-*ongoing*

cogstone
PALEONTOLOGY - ARCHAEOLOGY - HISTORY

ERIC SCOTT
Paleontology □A/□C and Report Co-Author

ED□CATION

1990 M.A., Anthropology (Biological), University of California, Los Angeles
1985 B.A., Anthropology (Physical), California State University, Northridge

S□MMAR□ O□ □□ALI□ICATIONS

Mr. Scott is a professional vertebrate paleontologist with 39 years of experience in paleontological mitigation, fieldwork, curation, and research. He is an emeritus paleontology curator of the San Bernardino County Museum, an adjunct at California State University, San Bernardino, and a research associate of the Natural History Museum of Los Angeles County and the La Brea Tar Pits and Museum, where he was lead excavator of the Pit 91 excavation from 1985-1991. He is a 30□ year member of the Society of Vertebrate Paleontology, an international society of professional scientists where he currently serves on the Government Affairs Committee; he also holds membership in the Geological Society of America and other professional societies. Mr. Scott has published over 40 research articles in professional scientific journals.

SELECTED E□PERIENCE

Purple Line Extension □□ estside Sub□ay□, Sections 1 and 2, Metropolitan Transit Authority □METRO□, Los Angeles, CA. The project involves construction of seven stations from the existing Purple Line at Wilshire/Western Avenue along Wilshire Boulevard to the Veterans Administration Hospital in Westwood for 8.6 miles. Manages all paleontological services for Sections 1 and 2 of the subway project including budgets, Worker Environmental Awareness Program training, monitoring, fossil recovery, lab work, analysis, and reporting. Sub to □V West (Stantec/□acobs □V) (Section 1), AECOM (Section 2). Program Manager. 2016-*ongoing*

Los Angeles □ orld Airports □LA□ A□Ongoing Technical Support for Environmental, Mitigation Reporting, and Sustainability Issues Associated □ith LA□ A Construction Pro□ects, LA□, Los Angeles County, CA. Cogstone conducted cultural and paleontological resources monitoring during proposed consolidation and modernization of existing facilities. The project involved redeveloping multiple facilities including hangars and associated structures for Delta Airlines and United Airlines, among others. Upon completion of monitoring, Cogstone prepared Cultural and Paleontological Resources Monitoring Compliance Reports. The City of Los Angeles acted as lead agency for the project. Sub to CDM Smith. Program Manager. 2019-2021

Deep Soil Mixing Pilot Pro□ect, Community of Pacific Palisades, Los Angeles County, CA. As part of an on-call contract with the Los Angeles Bureau of Engineering (LABOE), Cogstone provided cultural and paleontological resources monitoring as well as managed Native American monitoring during ground-disturbing activities. The City of Los Angeles was the lead agency under the California Environmental □uality Act. Monitoring for the Project was conducted in compliance with the Contingency Plan conditions for the Coastal Development Permit from the California Coastal Commission. No cultural or paleontological resources were identified. No further work was necessary. Sub to ICF. Principal Investigator for Paleontology. 2020

Gates Canyon Storm□ater Capture Pro□ect, unincorporated area of Calabasas, Los Angeles County, CA. Cogstone conducted cultural and paleontological resources monitoring for 31 days during proposed improvements to Gates Canyon Park that will allow the capture and storage of stormwater runoff from an adjacent 105-acre residential area. Monitoring complied with program mitigation measures and as defined by the County of Los Angeles, Department of Public Works (LACDPW). LACDPW was the project proponent and acted as the lead agency under the California Environmental □uality Act. Sub to Aspen Environmental. Task Manager. 2019

Eastside Reservoir Pro□ect □Diamond □alley La□e□, City of □emet, Riverside County, CA. The project developed southern California's largest freshwater reservoir. Paleontological monitoring and mitigation provided by San Bernardino County Museum. Supervised fieldwork, conducted and supervised lab work, wrote weekly, annual, and final reports. Paleontology Curator, Field Supervisor, and Report Author. 1993-2003

cogstone
PALEONTOLOGY - ARCHAEOLOGY - HISTORY

S□ANNON LOPE□
Architectural Historian

ED□CATION

2022 Certificate in Historic Preservation, The Boston Architectural College, Boston
2018 M.A., History (with an emphasis in architecture), California State University, Fullerton
2012 B.A., History, Minor in Asian-Pacific Studies, California State University, Dominguez Hills

S□MMAR□ □ □ALI□ICATIONS

Ms. Lopez is a qualified architectural historian with over six years of experience who meets or exceeds the Secretary of the Interior's *Standards and Guidelines for Architectural History*. Her experience includes architectural history research and surveys with photo documentation and recording of built environment resources for local and federal projects. She has extensive knowledge with Native American consultation, consultation with local and state historical societies, and in the analysis of primary and secondary sources. Ms. Lopez is acknowledged as an approved Architectural Historian by Caltrans and is listed as a Principal Investigator on Cogstone's Bureau of Land Management (BLM) Cultural Resources Use Permit. She is accepted as a Principal Investigator for Architectural History and History by the State Historic Preservation Office (SHPO). Additionally, she is an approved Reader at the Huntington Library by the Los Angeles Office of Historic Resources.

SELECTED E□PERIENCE

Concord □untington Par□ Apartments, City of □untington Beach, Los Angeles County, CA. This study was conducted to determine potential impacts to cultural resources resulting from the project, which included seismically retrofitting the 15-story apartment building and replacing the roof. Services included records searches, a Sacred Lands File search from the Native American Heritage Commission (NAHC), a Built Environment survey, and preparation of a Cultural Resources Assessment Report. National Register of Historic Places (NRHP) and California Register of Historical Resources (CRHR) eligibility was evaluated and Department of Parks and Recreation 523 (DPR 523) forms were completed for the building. As the entire area is landscaped, hardscaped, or covered by buildings, an archaeological survey was not conducted. The United States Department of Housing and Urban Development (HUD) is the lead agency under the National Environmental Policy Act (NEPA) and the National Historic Preservation Act (NHPA). Sub to Partner Engineering and Science, Inc. Architectural Historian. 2022

San □uan Capistrano Do□nto□n Specific Plan, City of San □uan Capistrano, Orange County, CA. Cogstone conducted cultural and paleontological assessments to determine the potential impacts to cultural and paleontological resources during the proposed project in the San □uan Capistrano Town Center. The project consisted of development and improvements including demolition of an existing building; construction of mixed-use buildings such as a restaurant, fitness center, parking structure, and apartments; and various street and utility improvements. Cogstone's services included cultural and paleontological records searches, Sacred Lands File Search from the NAHC, a built environment survey, CRHR and NRHP eligibility assessments for two historic buildings, updates to DPR 523 forms, and the preparation of a Cultural and Paleontological Resources Assessment report. Sub to T&B Planning. Architectural Historian. 2021-2022

Linbroo□ □illas Pro□ect, City of Anaheim, Orange County, CA. Cogstone conducted a cultural resources assessment to determine the potential impacts to cultural resources during the construction of 12 single-family attached dwelling units in four three-story townhome buildings. An existing 3,848 square foot single-family residence, guest house, pool, and paved surface parking lot would be demolished to make way for the new development. Cogstone conducted a cultural resources records search, consultation with local historical societies, and a pedestrian survey. The existing single-family home and guest house were recorded on DPR 523 forms and evaluated for NRHP and CRHR eligibility. A Cultural Resources Assessment Report was prepared to document the results. The City of Anaheim was the lead agency under CE□A. Sub to PlaceWorks. Architectural Historian. 2021

cogstone
PALEONTOLOGY - ARCHAEOLOGY - HISTORY

LOGAN FREEBERG
GIS Manager and Archaeologist

EDUCATION

2018 Geographic Information Systems (GIS) Certificate, California State University, Fullerton
2003 B.A., Anthropology, University of California, Santa Barbara

SUMMARY QUALIFICATIONS

Mr. Freeberg has over 20 years of experience in cultural resource management and has extensive experience in field surveying, data recovery, monitoring, and excavation of archaeological and paleontological resources associated with land development projects in the private and public sectors. He has conducted all phases of archaeological work, including fieldwork, laboratory analysis, research, and reporting. Mr. Freeberg also has a strong grounding in conventional field and laboratory methods and is skilled in the use of ArcGIS and prepares maps for Cogstone's deliverables. He has experience with Native American consultation in compliance with Section 106 of the National Historic Preservation Act (NHPA), Assembly Bill (AB) 52, and Senate Bill (SB) 18.

SELECTED EXPERIENCE

conducted to determine potential impacts to cultural resources resulting from the project, which included seismically retrofitting the 15-story apartment building and replacing the roof. Services included records searches, a Sacred Lands File search from the Native American Heritage Commission (NAHC), a Built Environment survey, and preparation of a Cultural Resources Assessment Report. National Register of Historic Places (NRHP) and California Register of Historical Resources (CRHR) eligibility was evaluated and Department of Parks and Recreation 523 (DPR 523) forms were completed for the building. As the entire area is landscaped, hardscaped, or covered by buildings, an archaeological survey was not conducted. The United States Department of Housing and Urban Development (HUD) is the lead agency under the National Environmental Policy Act (NEPA) and the National Historic Preservation Act (NHPA). Sub to Partner Engineering and Science, Inc. GIS Manager. 2022

San Juan Capistrano Downtown Specific Plan, City of San Juan Capistrano, Orange County, CA. Cogstone conducted cultural and paleontological assessments to determine the potential impacts to cultural and paleontological resources during the proposed project in the San Juan Capistrano Town Center. The project consisted of development and improvements including demolition of an existing building; construction of mixed-use buildings such as a restaurant, fitness center, parking structure, and apartments; and various street and utility improvements. Cogstone's services included cultural and paleontological records searches, Sacred Lands File Search from the NAHC, a built environment survey, CRHR and NRHP eligibility assessments for two historic buildings, updates to DPR 523 forms, and the preparation of a Cultural and Paleontological Resources Assessment report. Sub to T&B Planning. GIS Manager. 2021-2022

Linbrook Villas Project, City of Anaheim, Orange County, CA. Cogstone conducted a cultural resources assessment to determine the potential impacts to cultural resources during the construction of 12 single-family attached dwelling units in four three-story townhome buildings. An existing 3,848 square foot single-family residence, guest house, pool, and paved surface parking lot would be demolished to make way for the new development. Cogstone conducted a cultural resources records search, consultation with local historical societies, and a pedestrian survey. The existing single-family home and guest house were recorded on DPR 523 forms and evaluated for NRHP and CRHR eligibility. A Cultural Resources Assessment Report was prepared to document the results. The City of Anaheim was the lead agency under CEQA. Sub to PlaceWorks. GIS Manager. 2021

APPENDIX B. PALEONTOLOGY RECORDS SEARCH

Natural History Museum
of Los Angeles County
900 Exposition Boulevard
Los Angeles, CA 90007

tel 213.763.DINO
www.nhm.org

Research & Collections

e-mail: paleorecords@nhm.org

May 11, 2024

Cogstone Resource Management
Attn: Logan Freeberg

re: Paleontological resources for the Brandywine Garden Grove Project (Cogstone 6017)

Dear Logan:

I have conducted a thorough search of our paleontology collection records for the locality and specimen data for proposed development at the Brandywine Garden Grove project area as outlined on the portion of the Los Alamitos USGS topographic quadrangle map that you sent to me via e-mail on April 29, 2024. We do not have any fossil localities that lie directly within the proposed project area, but we do have fossil localities nearby from the same sedimentary deposits that may occur in the proposed project area, either at the surface or at depth.

The following table shows the closest known localities in the collection of the Natural History Museum of Los Angeles County (NHMLA).

Locality Number	Location	Formation	Taxa	Depth
LACM IP 4560	east of Hwy. 39; north from Rosecrans Ave.; near L.A. - Orange Co. line	Unknown (Pliocene)	*Pecten caurinus* Gould	surface in stream bed
LACM VP 1652	Rio Vista Avenue south of Lincoln Avenue	Alluvium (Pleistocene)	Sheep (*Ovis*)	Unknown (excavations for housing project)
LACM VP 4185-4201	Coyote Creek, adjacent to Ralph B Clark Regional Park in West Coyote Hills	La Habra Formation (Pleistocene; sandy silt shot through with caliche)	Bison (*Bison*), camel (*Camelops*), horse (*Equus*), mammoth (*Mammuthus*), mastodon (*Mamut*), elephant clade (Proboscidea), dire wolf (*Canis dirus*), Coyote (*C. latrans*), deer (*Odocoileus*), dwarf pronghorn (*Capromeryx*), unidentified artiodactyl; sea duck (*Chendytes*)	Surface, in creek bed
LACM VP 7657 - 7659	Ellis Avenue & Patterson Lane,	Unknown Formation	School shark (*Galeorhinus*), eagle ray (*Myliobatus*), goby	150 - 350 feet bgs

Locality Number	Location	Formation	Taxa	Depth
	Huntington Beach	(Pleistocene; gray siltstone)	(*Lepidogobius, Leptocottus*), midshipmen (*Porichthys*), croaker (*Seriphus*), flatfish (*Citharichthys*), cusk-eel (*Otophidium*), skate (*Raja*), angelshark (*Squatina*), sculpin (Cottidae)	

VP, Vertebrate Paleontology; IP, Invertebrate Paleontology; bgs, below ground surface

This records search covers only the records of the NHMLA. It is not intended as a paleontological assessment of the project area for the purposes of CEQA or NEPA. Potentially fossil-bearing units are present in the project area, either at the surface or in the subsurface. As such, NHMLA recommends that a full paleontological assessment of the project area be conducted by a paleontologist meeting Federal (43 Code of Federal Regulations Part 49.110) or Society of Vertebrate Paleontology standards.

Sincerely,

Alyssa Bell, Ph.D.
Natural History Museum of Los Angeles County

enclosure: invoice

APPENDI C. PALEONTOLOGICAL SENSITI IT RAN ING CRITERIA

P□□C Description Summary □BLM 2016□	**P□□C Ran□**
□ery Lo□. The occurrence of significant fossils is non-existent or extremely rare. Includes igneous (excluding air-fall and reworked volcanic ash units), metamorphic, or Precambrian rocks. Assessment or mitigation of paleontological resources is usually unnecessary except in very rare or isolated circumstances that result in the unanticipated presence of fossils.	1
Lo□. Sedimentary geologic units that are unlikely to contain vertebrate or scientifically significant nonvertebrate fossils. Includes rock units less than 10,000 years old and sediments with significant physical and chemical changes (e.g., diagenetic alteration) which decrease the potential for fossil preservation. Assessment or mitigation of paleontological resources is not likely to be necessary.	2
Moderate. Units are known to contain vertebrate or scientifically significant nonvertebrate fossils, but these occurrences are widely scattered and/or of low abundance. Common invertebrate or plant fossils may be found and opportunities may exist for casual collecting. Paleontological mitigation strategies will be based on the nature of the proposed activity. Management considerations cover a broad range of options that may include record searches, pre-disturbance surveys, monitoring, mitigation, or avoidance. Surface-disturbing activities may require assessment by a qualified paleontologist to determine whether significant paleontological resources occur in the area of a proposed action, and whether the action could affect the paleontological resources.	3
□igh. Geologic units containing a high occurrence of significant fossils. Fossils must be abundant per locality. Vertebrates or scientifically significant invertebrate or plant fossils are known to occur and have been documented but may vary in occurrence and predictability. Mitigation plans must consider the nature of the proposed disturbance, such as removal or penetration of protective surface alluvium or soils, potential for future accelerated erosion, or increased ease of access that could result in looting. Detailed field assessment is normally required and on-site monitoring or spot-checking may be necessary during land disturbing activities. In some cases avoidance of known paleontological resources may be necessary.	4
□ery □igh. Highly fossiliferous geologic units that consistently and predictably produce vertebrate or scientifically significant invertebrate or plant fossils. Vertebrate fossils or scientifically significant invertebrate fossils are known or can reasonably be expected to occur in the impacted area. Paleontological resources are highly susceptible to adverse impacts from surface disturbing activities. Paleontological mitigation may be necessary before or during surface disturbing activities. The area should be assessed prior to land tenure adjustments. Pre-work surveys are usually needed and on-site monitoring may be necessary during land use activities. Avoidance or resource preservation through controlled access, designation of areas of avoidance, or special management designations should be considered.	5
□n□no□n. An assignment of "Unknown" may indicate the unit or area is poorly studied and field studies are needed to verify the presence or absence of paleontological resources. The unit may exhibit features or preservational conditions that suggest significant fossils could be present, but little information about the actual unit or area is known. Literature searches or consultation with professional colleagues may allow an unknown unit to be provisionally assigned to another Class, but the geological unit should be formally assigned to a Class after adequate survey and research is performed to make an informed determination.	U
□ ater or Ice. Typically used only for areas which have been covered thus preventing an examination of the underlying geology.	W, I

APPENDI□ D. □ISTORICAL SOCIET□ CONS□LTATION

cogstone

PALEONTOLOGY - ARCHAEOLOGY - HISTORY

June 20, 2024 (1st attempt: May 29, 2024)

Garden Grove Historical Society
PO Box 4297
Garden Grove CA 92842

RE: Request for Information regarding the Cultural Resources Assessment for the Brandywine Garden Grove Project, City of Garden Grove, Orange County, California.

To Whom It May Concern:

Cogstone Resource Management, Inc. (Cogstone) is conducting a cultural resources assessment for the Brandywine Garden Grove Project (Project) located on 1.71 (gross after subdivision to create separate parcel) acres within Assessor Parcel Number (APN) 224-212-01 located at 5802 Santa Catalina Avenue in the City of Garden Grove, Orange County, California.

The Project involves the demolition of an ancillary building (associated with the extant Grace Baptist Church of Garden Grove) to construct 26 new townhomes. The Project area is currently used as an overflow asphalt parking lot associated with the church and is entirely hardscaped. The church and its associated ancillary buildings are historic-in-age (constructed in ca. 1960 and early 1970s).

We are contacting you because we would like to invite members of the Garden Grove Historical Society to provide input regarding the redevelopment of the Project area. We appreciate any information regarding the history of the Project area that you may have as well as any comments, issues, and/or concerns relating to the history of the Project area. Please contact me at slopez@cogstone.com. Thank you for your attention to this matter.

Sincerely,

Shannon Lopez

Shannon Lopez, M.A.
Architectural Historian
slopez@cogstone.com

1518 West Taft Avenue
Orange, CA 92865
Office (714) 974-8300

Branch Offices
San Diego - Riverside - Morro Bay - Sacramento

cogstone.com
Toll free (888) 333-3212

Federal Certifications EDWOSB , SDB
State Certifications DBE, WBE, UDBE

Figure 1. Project Vicinity Map

cogstone.com

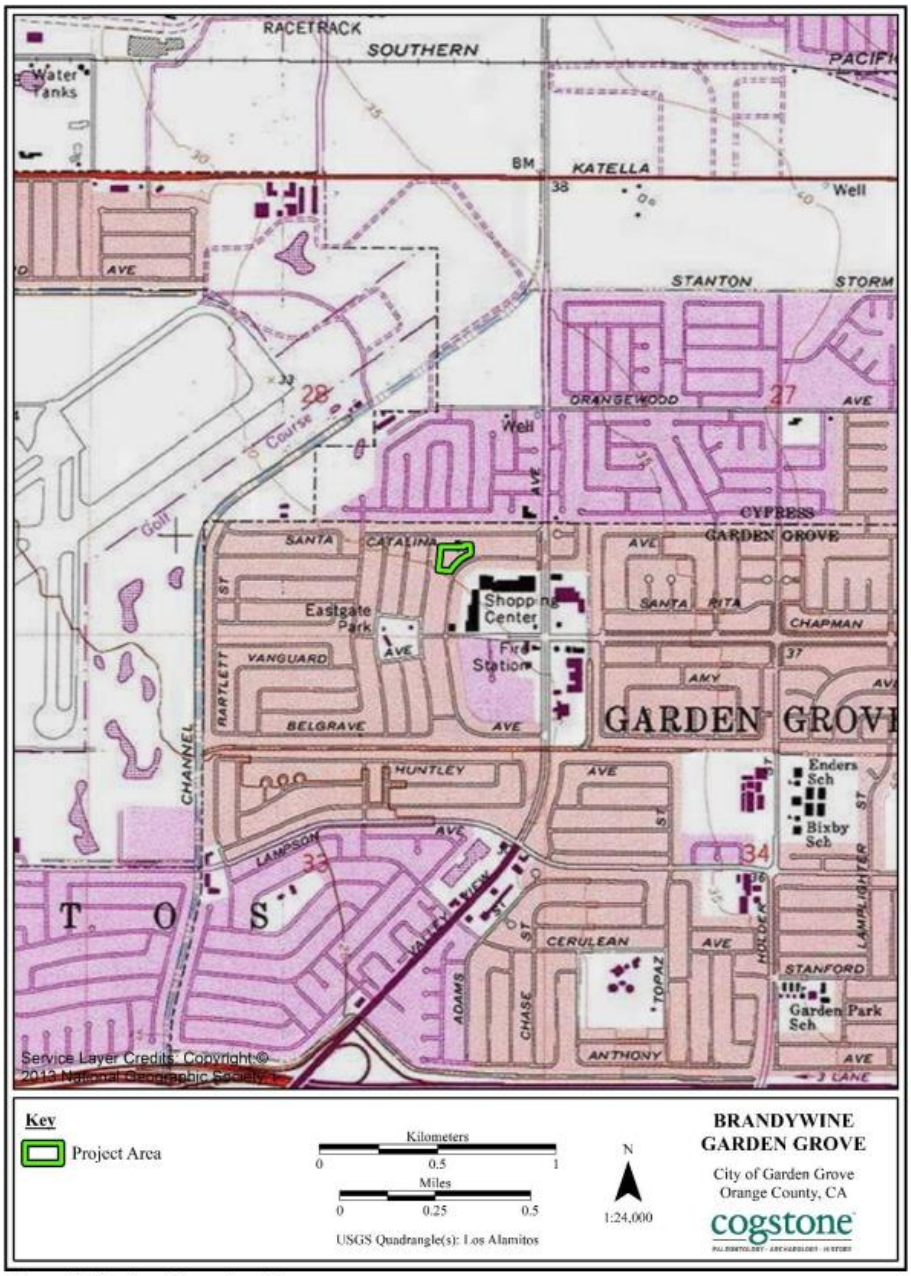


Figure 2. Project Location Map

cogstone.com

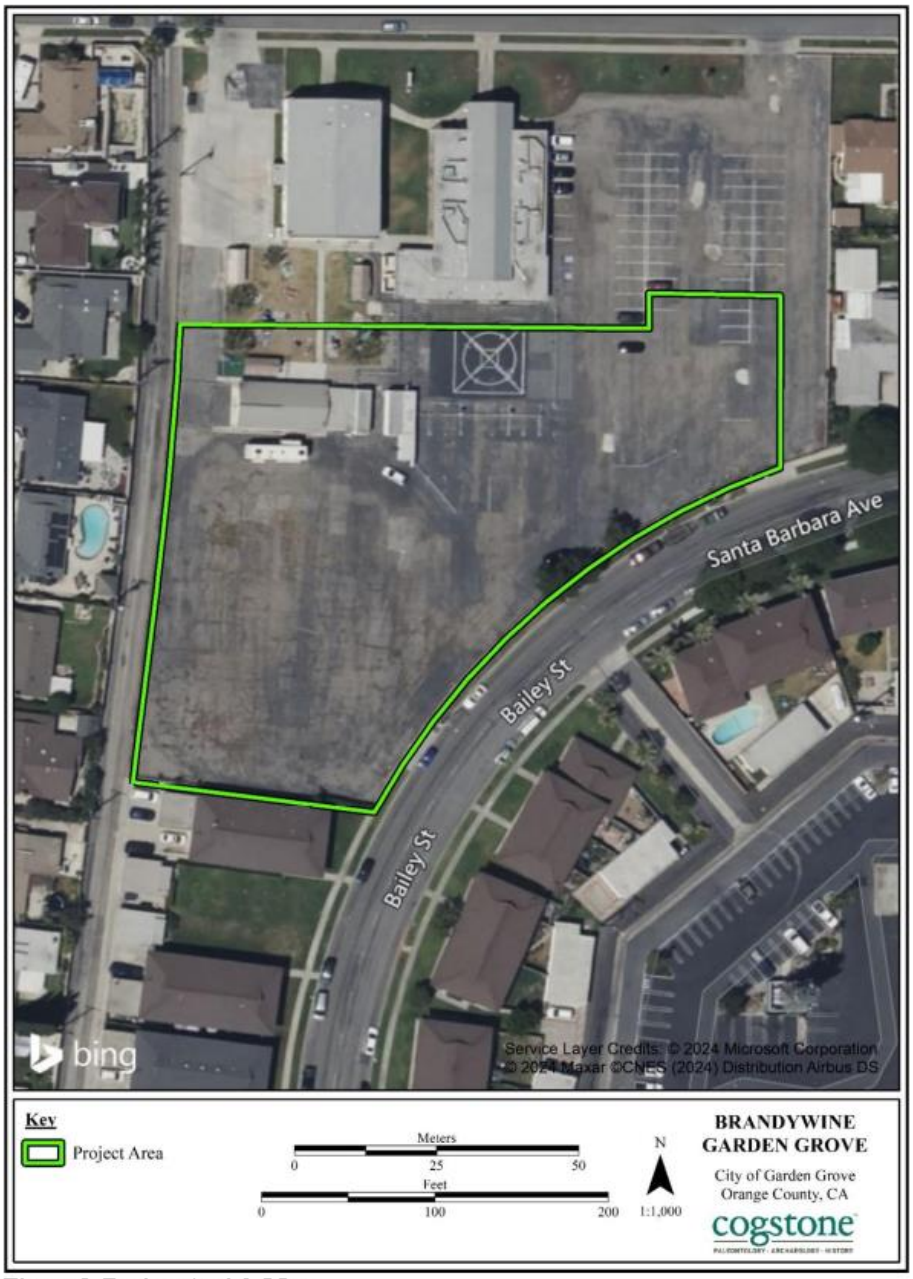


Figure 3. Project Aerial Map

cogstone.com

Brandywine Garden Grove Project

Barbara Gossett <babsgossett3@gmail.com>

Fri 7/5/2024 3:29 PM

To:Shannon Lopez <SLopez@cogstone.com>

Good afternoon. I checked in our records, and with some of our Board members with longer memories than I have, and we have no concerns about the property proposed for development along with the demolition of the church.

Thank you for the opportunity to review the proposal.

Barbara Gossett
Archivist
Garden Grove Historical Society

gardengrovehistsoc@att.net

APPENDI□ E. DPR 523 □ORMS

P1. Other Identifier:
P2. Location: ☒ **Not for Publication** ☐ **Unrestricted**
a. County: Orange
b. USGS 7.5' Quad: Los Alamitos **Date:** 1983 **T**4S; **R**11W; **¼ of** **¼ of Sec**28 **and** 33 **; S.B.B.M.**
c. Address: 5802 Santa Catalina Ave. **City:** Garden Grove **Zip:** 92845
d. UTM: Zone: ; mE/ mN
e. Other Locational Data: **Elevation:**

P3a. Description:
There are three buildings associated with 5802 Santa Catalina Avenue: the one-story church (built 1960), the two-story educational building (built ca. 1961), and the small one-story ancillary building (ca. 1960). The church is a Modern style building with distinct Gothic style elements including the pointed gothic archways, steep pitched roof, and stained-glass windows. The building exterior is clad with stucco and some wood paneling. The front entrance (north façade) faces the street and consists of large flush steel double doors, with large stained-glass sidelights and broken triangular stained-glass transom. A steep pitched gabled roof porch supported by two wood posts set in cylindrical concrete anchors covers the main entrance. The wood posts rise up into the soffit forming a high pointed arch (or Gothic arch). Additional pointed arches cut out of the walls of the overhanging eaves flank the main entrance at the west and east wings of the building. *See Continuation Sheet*

P3b. Resource Attributes: HP16. Religious Building, HP15. Educational Building
P4. Resources Present: ☒Building ☐Structure ☐Object ☐Site ☐District ☐Element of District ☐Other

P5b. Description of Photo: North elevation, facing south; taken June 2024.

P6. Date Constructed/Age and Sources: ☒Historic ☐Prehistoric ☐Both
1960, (*The Bulletin* 1960)

P7. Owner and Address:
Private

P8. Recorded by:
Cogstone Resource Management; 1518 W. Taft Ave., Orange, CA 92865

P9. Date Recorded:
June 7, 2024

P10. Survey Type: Pedestrian Survey

P11. Report Citation: *Cultural And Paleontological Resources Assessment for the Brandywine Garden Grove Project, City of Garden Grove, Orange County, California*. Prepared for: Lindsay Ortega, Sagecrest Planning+Environmental. Prepared by: Cogstone Resource Management. July 2024.

Attachments: ☐NONE ☒Location Map ☐Sketch Map ☒Continuation Sheet ☒Building, Structure, and Object Record ☐Archaeological Record ☐District Record ☐Linear Feature Record ☐Milling Station Record ☐Rock Art Record ☐Artifact Record ☐Photograph Record ☐ Other

B1. Historic Name: Eastgate Baptist Church
B2. Common Name: Grace Baptist Church of Garden Grove
B3. Original Use: Church and Nursery/ Educational building
B4. Present Use: Church and Preschool
***B5. Architectural Style:** Modern with Gothic style elements

***B6. Construction History:**
Historic newspaper articles announced the construction of the church in 1960 and the educational building in ca. 1961 (*The Bulletin* 1960). The small ancillary building to the south of the educational building is estimated to have been built ca. 1961 based on a review of a 1963 USDA aerial photograph (NETROnline 1963). Between 1972 and 1988, a one-story addition was constructed at the south elevation of the church (NETROnline 1972 and 1988).

***B7. Moved?** ☒No ☐Yes ☐Unknown **Date:** **Original Location:**
***B8. Related Features:**

B9a. Architect: Not known **b. Builder:** Not known
***B10. Significance:** None **Theme:** Local Religious development **Area:** Garden Grove, CA
Period of Significance: 1960-1979 **Property Type:** Religious Building and Educational Building
Applicable Criteria: NA

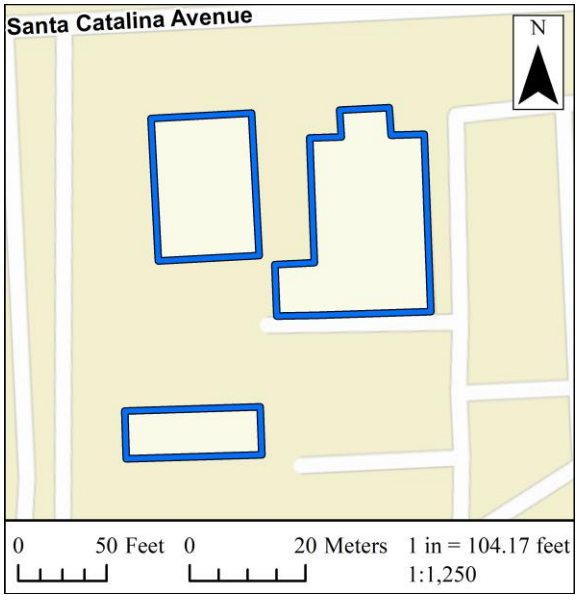
Integrity: Based on a review of historic USDA aerial photographs and intensive pedestrian survey, these buildings appear to maintain their integrity of location, setting, design, materials, workmanship, and association. There is some alteration to the overall feeling of the church and educational building when their exteriors were painted from light beige to dark blue in 2024.

Criteria A/1
Is this resource associated with events that have made a significant contribution to the broad patterns of history?
The Eastgate Baptist Church was constructed during a period of substantial residential and commercial growth within Garden Grove in the early 1960s. It has continuously served the local community as a place of worship, providing religious education and child care. However, following extensive background research of historic newspapers and in-person consultation with longtime residents, the Eastgate Baptist Church is not known to be associated with events that have made a significant contribution to the broad patterns of history. Therefore, this resource is recommended not eligible for listing in the National Register of Historic Places (NRHP) under Criterion A or the California Register of Historical Resources (CRHR) under Criterion 1.

B11. Additional Resource Attributes:
***B12. References:** *See Continuation Sheet*

B13. Remarks:

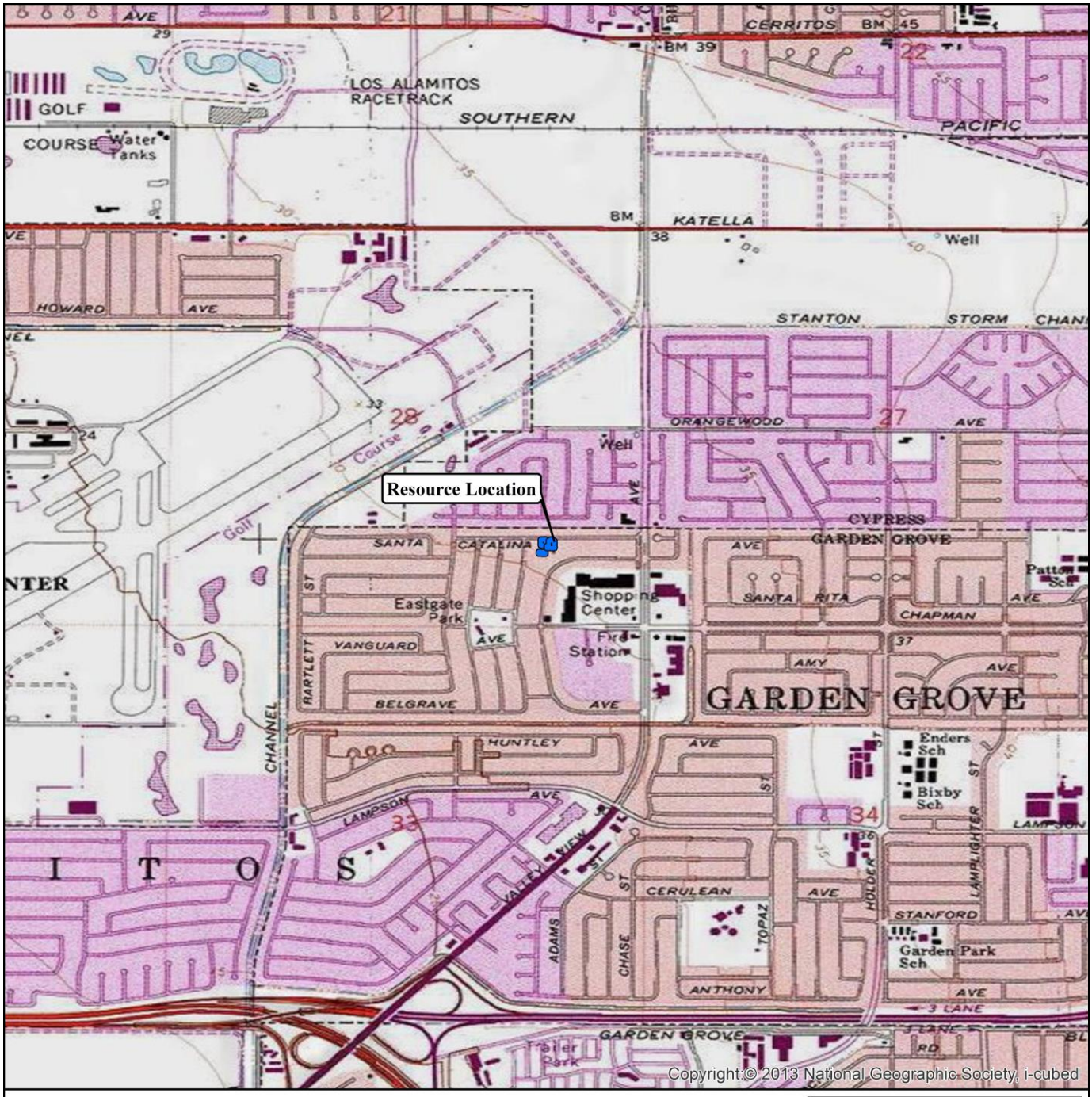
***B14. Evaluator:** Shannon Lopez
***Date of Evaluation:** June 27, 2024



(This space reserved for official comments.)

State of California — The Resources Agency DEPARTMENT OF PARKS AND RECREATION	Primary # HRI#
LOCATION MAP	Trinomial

Page 3 **of** 13 ***Resource Name or #:** Eastgate Baptist Church
Map Name: Los Alamitos ***Scale:** 1:24,000 ***Date of Map:** 1983



Eastgate Baptist Church
City of Garden Grove
Orange County, CA

Eastgate Baptist Church
USGS 7.5' Quadrangle

USGS 7.5' Quadrangle(s):
Los Alamitos

0 0.25 0.5 Miles
0 0.25 0.5 Kilometers
1:24,000 1 in = 2,000 ft
N

P3a. Description Cont.:
Church: West and East elevation
The west and east elevations of the church share matching features such as flat wide roof overhangs with exposed eaves, five identical narrow rectangular stained glass windows in aluminum frames, and flush pedestrian doors at the southern end of their respective elevations. A one-story, rectangular building addition with a flat roof is at the south elevation of the church, along with four matching, aluminum framed, sliding windows and one small one-over-one glass window. Flush pedestrian doors are in the middle and the western end of this elevation.

Educational Building
North Facade
This building is a two-story Vernacular building with a high pitched roof clad in composition shingles and a narrow roof overhang with exposed eaves. The building is clad in stucco and organized in a rectangular footprint. At all four corners of the building are brick pillars set in a running bond. Brick pillars set in a running bond are at all four corners of the building. The front of the building (north façade) faces the street and consists of flush double doors outlined in brick and organized in a Stack Bond, and eight matching sliding windows with aluminum frames and concrete window stool (three windows on the first floor and five windows on the second floor).

West Elevation
Five large rectangular sliding windows with concrete window stools are at the first floor of the west elevation. Two additional window openings at this level are filled by air-conditioning units. A shed style building projection with a flush pedestrian door is set at the middle of this elevation. The seven large windows at the second floor level match those on the first floor. One additional window opening is filled by an air-conditioning unit.

East Elevation
Two sets of matching flush double doors and one flush single door are at the first floor of the east elevation. There are nine sliding aluminum framed windows with concrete window stools, two of which are small rectangular windows and seven are large. The 11 windows on the 2nd floor level of this elevation are large sliding aluminum framed windows with concrete window stools.

South Elevation
Two sliding aluminum framed windows with concrete window stools are at the first floor of this elevation. A set of double doors outlined in brick, organized in a Stack Bond, is in the middle. The five windows at the second floor elevation are matching sliding aluminum framed windows with concrete window stools.

Ancillary Building
This is a one-story building with a normal pitched gabled roof with wide overhanging eaves, louvered gabled roof vents, rectangular footprint, and clad in stucco. It is located south of the Educational Building. The north façade features two matching flush doors, two large sliding windows with aluminum frames, and two fixed rectangular windows. Two matching fixed windows with aluminum frames are at the west elevation. A flat roofed wood paneled building extension with a vinyl framed sliding windows with false muntins is at the east elevation. Two large square sliding windows with aluminum frames and two fixed rectangular windows with aluminum frames are at the south elevation.

***B10. Historic Significance Evaluation Cont.**
Criteria B/2
Is this resource associated with the lives of significant persons of the past?
According to a search of historic newspapers, Dr. Floyd Lefevers was the first pastor of the Eastgate Baptist Church. Dr. Lefevers served previously as the pastor of Trinity Baptist Church in Fort Worth, Texas, for 17 years. He was a graduate of Oklahoma Baptist University and Southwestern Baptist Seminary in Fort Worth. He and his wife, Faye Marie Lefevers, had three children, David, Helen and Cecil. Their son Cecil (Lt. Colonel Cecil E. Lefevers) retired as a highly decorated Air Force pilot. While a respected pastor with a long career, Dr. Lefevers' contributions to the Eastgate Baptist Church does not rise to the level required to be considered significant to history. Therefore, the Eastgate Baptist Church is recommended not eligible for listing in the NRHP under Criterion B or the CRHR under Criterion 2.

Criteria C/3
Does this resource embody distinctive characteristics of type, period, or method of construction or represent the work of a master, or possess high artistic value, or represent a significant and distinguishable entity those components may lack individual distinction?
The Eastgate Baptist church represents a Modern architectural style with some Gothic style elements and the Educational building is an example of the Vernacular style. The exterior of the church and associated educational building are well maintained but are not an exemplary representations of a type, method of construction, does not possess high artistic value, and does not represent the work of a master. Therefore, the Eastgate Baptist Church is recommended not eligible for listing in the NRHP under Criterion C or the CRHR under Criterion 3.

Criteria D/4
Has this resource yielded or may likely yield information important in history or prehistory?
Criterion D/4 is most often applied to archaeological sites and districts but can also apply to buildings, structures, and/or objects. This resource does not exhibit a local variation of a standard design or construction technique that can yield important information (such as construction expertise or availability of local materials). Therefore, this resource is recommended not eligible for listing in the NRHP under Criterion D or the CRHR under Criterion 4.

REFERENCES
Bulletin, The
1960 "New Baptist Church Making Progress; Dr. Lefevers, Pastor of Congregation". *The Bulletin* (Anaheim, California). Published: July 30, 1960. Page 4. Available at: https://www.newspapers.com/image/967363654. Accessed: June 27, 2024.

NETROnline
1963 *Historic Aerials*. Available at: https://www.historicaerials.com/viewer. Accessed: June 27, 2024.
1972 *Historic Aerials*. Available at: https://www.historicaerials.com/viewer. Accessed: June 27, 2024.
1988 *Historic Aerials*. Available at: https://www.historicaerials.com/viewer. Accessed: June 27, 2024.

Register, The
1960 "Eastgate Baptist". *The Register* (Santa Ana, California). Published: Saturday, November 12, 1960. Page 5. Available at: https://www.newspapers.com/image/996477801. Accessed: June 27, 2024 .
1960 Dr. Floyd Lefevers Pasteor Eastgate Baptist Church". *The Register* (Santa Ana, California). Published: Wednesday, November 23, 1960. Page 5. Available at: https://www.newspapers.com/image/996484351. Accessed: June 27, 2024.

June 2024 Survey Photo Key

Survey Photos June 2024

1. Church; oblique view of north façade (left) and west elevation (right), facing southeast.

2. Courtyard between church (left) and preschool/classroom building (right), facing south.

3. Church; oblique view of south elevation (left) and east elevation (right), facing northwest.

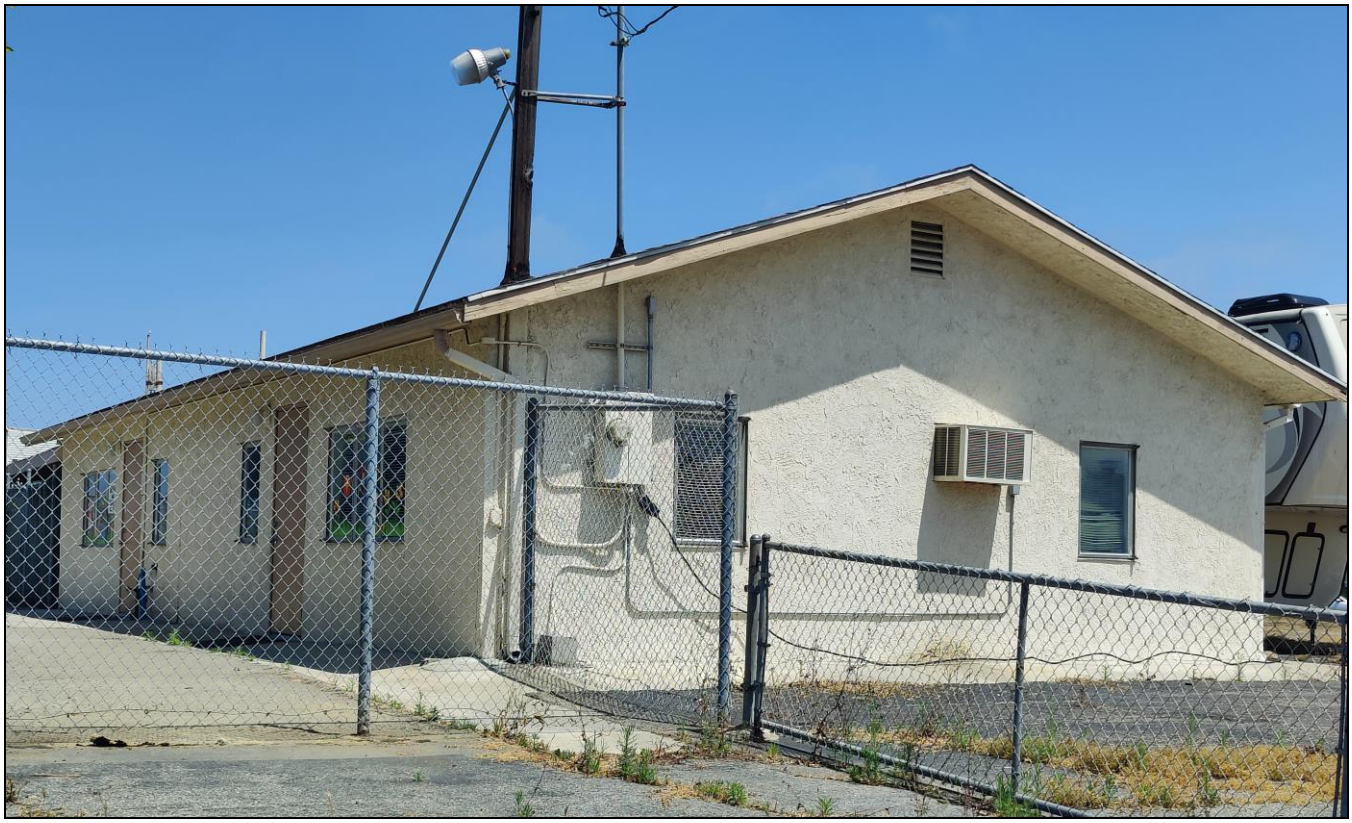
4. Preschool and classrooms; oblique view of east elevation (left) and north façade (right), facing southwest.

5. Preschool and classrooms; oblique view of north façade (left) and west elevation (right), facing southeast.

6. South elevations of preschool and classrooms (left) and church (right), facing northwest.

7. South elevation of ancillary building, facing northwest.

8. West elevation of ancillary building, facing northeast.



9. Oblique view of ancillary building, north façade (left) and west elevation (right), facing southeast.

New Baptist Church Making Progress; Dr. Lefevers, Pastor of Congregation

The new Eastgate Baptist Church, with temporary meeting place at 11831 St. Mark St., is continuing progress.

Sunday school is each Sunday morning at 9:30 with worship services following at 10:55. Training unions for all age groups meet at 6:30 p.m. and preaching at 7:30. Classes have been set up for all groups with people of all faiths invited to attend. Attendance last Sunday was 57.

Dr. Floyd Lefevers, pastor of the Trinity Baptist Church in Forth Worth, Texas for 17 years is now on the field as pastor of the Eastgate congregation.

Plans are to build the first unit of several buildings on the three and one half acre tract located in the Eastgate community, just north of the shopping center area.

Dr. Lefevers is a graduate of Oklahoma Baptist University in Shawnee and Southwestern Baptist Seminary in Fort Worth. Besides his wife, Faye Marie Lefevers, he has two children at home. Jerry, the youngest son is 12 years of age, and Helen is 18. The oldest son, Cecil Edward, is a captain in the air force now located in England.

ICE CREAM SOCIAL
Next Sat. Aug. 6th
6:30 p.m. till?
WESLEY METHODIST CHURCH
1457 E. Romneya Dr.

Progress status for church construction (*The Bulletin* 1960).

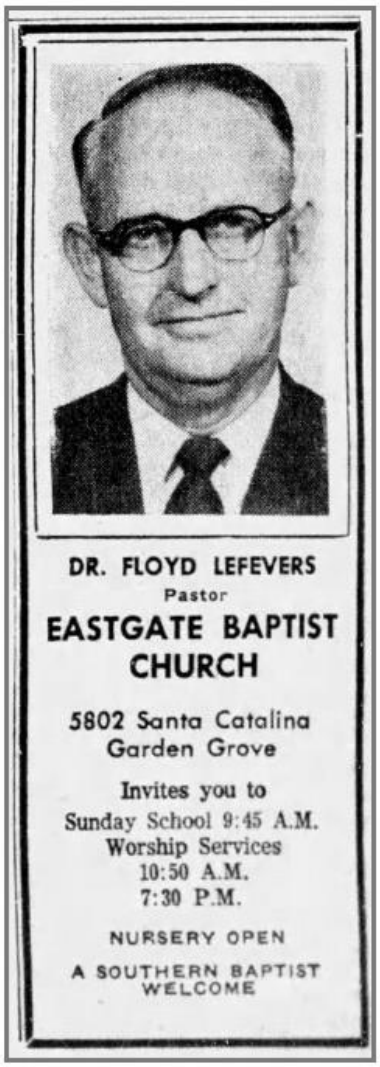
* * *

Eastgate Baptist

Construction is being started this week on the educational building at Eastgate Baptist church. It is hoped that the job may be completed by early spring in time for a revival which will climax an enlargement campaign in Sunday School work. The evangelist for the revival will be Dr. Woodson Armes of Fort Worth, Texas.

As part preparation for the revival a complete religious census will be taken. Also a week's training school will be held to promote stewardship and evangelism.

Progress status for the construction of the educational building (*The Register* Nov. 12, 1960).



Eastgate Baptist Church's first pastor announcement (*The Register* Nov. 23, 1960)

Appendix C

Geotechnical Investigation, 5802 Santa Catalina Avenue, City of Garden Grove, County of Orange, California

Alta California Geotechnical, Inc.

January 16, 2024

ALTA CALIFORNIA
GEOTECHNICAL INC.

170 North Maple Street, Suite 108
Corona, CA 92880
www.altageotechnical.com

BRANDYWINE HOMES
16580 Alston Street
Irvine, CA 92606

January 16, 2024
Project No. 1-0506

Attention: Mr. Sarah Eskandari

Subject: **GEOTECHNICAL INVESTIGATION**
5802 Santa Catalina Avenue
City of Garden Grove, County of Orange, California

References: Appendix A

Dear Ms. Eskandari:

Alta California Geotechnical, Inc. (Alta) is pleased to present this geotechnical investigation for the proposed development located at 5802 Santa Catalina Avenue, in the City of Garden Grove, County of Orange, California. This report is based on a recent subsurface investigation conducted by Alta, laboratory testing, a review of the referenced reports, and Alta's staff's experience with similar projects in this vicinity.

Alta's review of the data indicates that the proposed development is feasible, from a geotechnical perspective, provided that the recommendations presented in this report are incorporated into the grading and improvement plans and implemented during site development.

Included in this report are:

- Discussion of the site geotechnical conditions.
- Recommendations for remedial and site grading, including unsuitable soil removals.
- Geotechnical site construction recommendations.
- Liquefaction analysis.
- Foundation design parameters.

If you have any questions or should you require any additional information, please contact the undersigned at (951) 509-7090. Alta appreciates the opportunity to provide geotechnical consulting services for your project.

Sincerely,
Alta California Geotechnical, Inc.

YOUSSEF F. HIJAZI
Engineering Geology Associate

Reviewed By:

SCOTT A. GRAY/RGE 2857
Reg. Exp.: 12-31-24
Registered Geotechnical Engineer
President

THOMAS J. MCCARTHY/CEG 2080
Reg. Exp.: 9-30-25
Certified Engineering Geologist
Vice President

Distribution: (1) Addressee

YFH: SAG:TJM -1-0506, January 16, 2024 (Geotechnical Investigation, 5802 Santa Catalina, Garden Grove)

1.0 INTRODUCTION 1
1.1 Purpose 1
1.2 Scope of Work 1
1.3 Report Limitations 2
2.0 PROJECT DESCRIPTION 2
2.1 Site Location and Background 2
2.2 Proposed Development 2
3.0 SITE INVESTIGATION 3
3.1 Investigation and Laboratory Testing 3
3.2 Infiltration Testing 3
4.0 GEOLOGIC CONDITIONS 4
4.1 Geologic and Geomorphic Setting 4
4.2 Stratigraphy 4
4.2.1 Young Alluvial Fan Deposits (map symbol Qyf) 4
4.3 Geologic Structure 5
4.3.1 Tectonic Framework 5
4.3.2 Regionally Mapped Active Faults 5
4.3.3 Geologic Structure 6
4.4 Groundwater 6
4.5 Earthquake Hazards 6
4.5.1 Local and Regional Faulting 6
4.5.2 Surface Rupture 6
4.5.3 Seismicity 7
4.5.4 Liquefaction 7
4.5.5 Dry Sand Settlement 9
5.0 ENGINEERING PROPERTIES AND ANALYSIS 9
5.1 Materials Properties 9
5.1.1 Excavation Characteristics 10
5.1.2 Compressibility 10
5.1.3 Moisture 10
5.1.4 Hydro-Consolidation 10
5.1.5 Expansion Potential 11
5.1.6 Earthwork Adjustments 11
5.1.7 Chemical Analyses 11
5.2 Engineering Analysis 12
5.2.1 Bearing Capacity and Lateral Earth Pressures 12

6.0 CONCLUSIONS AND RECOMMENDATIONS 12
6.1 Remedial Grading Recommendations 12
6.1.1 Site Preparation 13
6.1.2 Unsuitable Soil Removals 13
6.2 General Earthwork Recommendations 14
6.2.1 Compaction Standards 14
6.2.2 Groundwater/Seepage 15
6.2.3 Documentation of Removals 15
6.2.4 Treatment of Removal Bottoms 15
6.2.5 Fill Placement 16
6.2.6 Moisture Content 16
6.2.7 Mixing 16
6.2.8 Import Soils 16
6.2.9 Utility Trenches 17
6.2.9.1 Excavation 17
6.2.9.2 Backfill 17
6.2.10 Backcut Stability 18
6.3 Liquefaction 19
6.4 Storm Water Infiltration Systems 20
6.5 Boundary Conditions 21
7.0 DESIGN CONSIDERATIONS 21
7.1 Structural Design 21
7.1.1 Foundation Design 22
7.1.2 Post-Tensioned Slabs/Foundation Design Recommendations 22
7.2 Moisture Barrier 23
7.3 Seismic Design 24
7.4 Fence and Garden Walls 25
7.5 Footing Excavations 25
7.6 Retaining Walls 26
7.7 Exterior Slabs and Walkways 27
7.7.1 Subgrade Compaction 27
7.7.2 Subgrade Moisture 28
7.7.3 Concrete Slab Thickness 28
7.7.4 Concrete Slab Reinforcement 28
7.7.5 Control Joints 28
7.8 Concrete Design 29
7.9 Corrosion 29
7.10 Pavement Design 29
7.11 Site Drainage 30

8.0 LOT MAINTENANCE 31
8.1 Lot Drainage 31
8.2 Burrowing Animals 31
9.0 FUTURE PLAN REVIEWS 31
10.0 CLOSURE 32
10.1 Geotechnical Review 32
10.2 Limitations 32

APPENDIX A: REFERENCES
APPENDIX B: SUBSURFACE INVESTIGATION
APPENDIX C: LABORATORY TESTING
APPENDIX D: LIQUEFACTION ANALYSIS
APPENDIX E: MAINTENANCE CONSIDERATIONS
APPENDIX F: EARTHWORK SPECIFICATIONS
APPENDIX G GRADING DETAILS

1.0 INTRODUCTION

This report presents Alta's findings, conclusions, and geotechnical recommendations for the proposed development located at 5802 Santa Catalina Avenue, in the City of Garden Grove, County of Orange, California.

1.1 Purpose

The purpose of this report is to examine the existing onsite geotechnical conditions and assess the impacts that the geotechnical conditions may have on the proposed development. This report is suitable for use in developing grading plans and engineer's cost estimates.

1.2 Scope of Work

Alta's *Scope of Work* for this geotechnical investigation included the following:

- Reviewing the referenced reports and air photos (Appendix A).
- Site geologic mapping.
- Excavating, logging, and sampling two (2) hollow-stem auger borings to a maximum depth of 51.5-feet below the existing surface (Appendix B).
- Conducting laboratory testing on samples obtained during our investigation (Appendix C).
- Performing an infiltration study with two (2) additional borings to 5.0-ft. below the ground surface (bgs) to provide an assessment of the infiltration characteristics of the onsite soil and their impact on storm water disposal.
- Conducting a liquefaction analysis.
- Evaluating engineering geologic and geotechnical engineering data, including laboratory data, to develop recommendations for site remedial grading including specialized grading techniques for unsuitable soil removals along the property boundaries, import soil, foundations, and utilities.
- Preparing this report and accompanying exhibits.

1.3 Report Limitations

The conclusions and recommendations presented in this report are based on the field and laboratory information generated during this investigation, and a review of the referenced reports. The information contained in this report is intended to be used for development of grading plans and preliminary construction cost estimates.

2.0 PROJECT DESCRIPTION

2.1 Site Location and Background

The irregular-shaped, approximately 1.60-acre site is bounded to the west, south, and east by private properties, to the southeast by Bailey Street/Santa Barbara Avenue, and to the north by two churches and Santa Catalina Avenue. The site is currently occupied by an existing structure in the northwest corner of the site, and a few mature trees in the southeastern area while the remainder consists of a parking lot.

Historic aerial photographs are available as far back as 1952 and indicate that the site originally consisted of an unoccupied open field. By 1963, the structure in the northwest corner was constructed. By 1972 the trees in the southeast portion of the site were planted. By 1992 the site had been paved. The site has remained relatively unchanged since (Historic Aerials, 2023).

2.2 Proposed Development

Alta anticipates that the existing structure and pavement will be demolished, and the site will be redeveloped to support twenty-six (26) townhomes and associated improvements. Alta anticipates that conventional cut-and-fill grading techniques will be used to develop the site. This grading will support residential structures consisting of wood frame construction with shallow foundations and reinforced concrete slabs-on-grade, and associated improvements.

3.0 SITE INVESTIGATION

3.1 Investigation and Laboratory Testing

Alta conducted a subsurface investigation on December 21st, 2023, consisting of the excavation, logging and select sampling of two (2) hollow-stem auger borings up to a maximum depth of 51.5 feet, and the installation of two (2) 5.0-ft. deep wells for infiltration testing. The locations of the exploratory excavations are shown on enclosed Plate 1 and the boring logs are presented in Appendix B.

Laboratory testing was performed on bulk and ring samples obtained during the field investigation. A brief description of the laboratory test procedures and the test results are presented in Appendix C.

3.2 Infiltration Testing

It is Alta's understanding that the project may utilize infiltration systems for storm water disposal. Details of the system are not known at this time.

Infiltration testing was undertaken using two (2) borings to 5.0-ft. bgs (P-1 and P-2). The testing was performed in general accordance with the County of Orange Technical Guidance Document. The test wells were presoaked at least 24 hours prior to testing. During testing, the water level readings were recorded every 30 minutes until the readings stabilized.

The data was then adjusted to provide an infiltration rate utilizing the Porchet Method. The resulting infiltration rate is presented in Table 3-1. The results do not include a factor of safety. Recommendations for infiltration BMP design are presented in Section 6.2.

Table 3-1 Summary of Infiltration Testing (No Factor of Safety)		
Test Designation	P-1	P-2
Approximate Depth of Test	5.0 ft	5.0 ft
Final Time Interval	30 minutes	30 minutes
Radius of Test Hole	4 inches	4 inches
Tested Infiltration Rate	0.1 inches/hr	0.1 inches/hr

4.0 GEOLOGIC CONDITIONS

4.1 Geologic and Geomorphic Setting

Regionally, the subject site is located in the Peninsular Ranges geomorphic province, which characterizes the southwest portion of southern California where right lateral major active fault zones predominately trend northwest-southeast. The Peninsular Ranges province is composed of plutonic and metamorphic rock, with lesser amounts of Tertiary volcanic and sedimentary rock, Quaternary drainage in-fills and sedimentary veneers.

4.2 Stratigraphy

Based on our literature review and subsurface investigation, the site is underlain by young alluvial fan deposits. The geologic unit is briefly described below.

4.2.1 Young Alluvial Fan Deposits (map symbol Qyf)

The young alluvial fan deposits observed at the site consists mainly of brown, brown gray, and tan gray sand, silty sand, sandy silt, and silty clay in a dry to wet and loose/firm to dense/very dense condition. The unit was logged to a depth of 51.5 feet below the ground surface.

4.3 Geologic Structure

4.3.1 Tectonic Framework

Jennings (1985) defined eight structural provinces within California that have been classified by predominant regional fault trends and similar fold structure. These provinces are in turn divided into blocks and sub-blocks that are defined by "major Quaternary faults." These blocks and sub-blocks exhibit similar structural features. Within this framework, the subject site is located within Structural Province I, which is controlled by the dominant northwest trend of the San Andreas Fault and is divided into two blocks, the Coast Range Block and the Peninsular Range Block. The Peninsular Range Block, on which this site is located, is characterized by a series of parallel, northwest trending faults that exhibit right lateral dip-slip movement. These faults are terminated by the Transverse Range block to the north and extend southward into the Baja Peninsula. These northwest trending faults divide the Peninsular Range block into eight sub-blocks. The site is located on the northwest portion of the Santa Ana Sub-block, one of the eight sub-blocks, which is bound on the east by the Elsinore fault zone and on the west by the Newport-Inglewood fault zone.

4.3.2 Regionally Mapped Active Faults

Several large, active fault systems including the Elsinore-Whittier and the Newport-Inglewood occur in the region surrounding the site. These fault systems have been studied extensively and in a large part control the geologic structure of southern California.

4.3.3 Geologic Structure

Based upon our site investigation and literature review, the surficial sediments are of Quaternary age, and are not folded or faulted.

4.4 Groundwater

Groundwater was encountered at a depth of 13.25 to 13.75 feet below the ground surface during our subsurface investigation. Based on state-provided information, the historic-high groundwater is approximately 10 feet below the ground surface (CGS, 1997).

4.5 Earthquake Hazards

The subject site is located in southern California, which is a tectonically active area. The type and magnitude of seismic hazards affecting a site are dependent on the distance to the causative fault and the intensity and magnitude of the seismic event. The seismic hazard may be primary, such as surface rupture and/or ground shaking, or secondary, such as liquefaction and/or ground lurching.

4.5.1 Local and Regional Faulting

The site is located on the northwestern portion of the Santa Ana sub-block, where the Newport-Inglewood, Puente Hills, San Joaquin, Elsinore, Palos Verdes, and San Jose faults surround the site approximately 4.5, 6.5, 8.7, 12.5, 13.1, and 19.2 miles away, respectively.

4.5.2 Surface Rupture

Active faults are not known to exist within the project and a review of Special Publication 42 indicates the site is not within a California State designated earthquake fault zone. Accordingly, the potential for fault surface rupture on the subject site is very low.

4.5.3 Seismicity

Ground shaking hazards caused by earthquakes along other active regional faults do exist. The 2022 California Building Code requires use-modified spectral accelerations and velocities for most structural designs. Seismic design parameters using soil profile types identified in the 2022 California Building Code are presented in Section 7.3.

4.5.4 Liquefaction

Seismic agitation of relatively loose saturated sands, silty sands, and some silts can result in a buildup of pore pressure. If the pore pressure exceeds the overburden stresses, a temporary quick condition known as liquefaction can occur. Liquefaction effects can manifest in several ways including: 1) loss of bearing; 2) lateral spread; 3) dynamic settlement; and 4) flow failure. Lateral spreading has typically been the most damaging mode of failure.

In general, the more recent that a sediment has been deposited, the more likely it will be susceptible to liquefaction. Other factors that must be considered are groundwater, confining stresses, relative density, and the intensity and duration of seismically induced ground shaking.

Groundwater was encountered during our subsurface investigation at depths 13.75 and 13.25 feet below the ground surface in borings B-1 and B-2, respectively. The regional groundwater map indicates that the historic-high groundwater level is approximately 10 feet below the ground surface (CGS, 1997).

Alta performed a liquefaction analysis utilizing data from our subsurface investigation to determine the liquefaction potential of the young alluvial fan deposits. A description of Alta's analysis and calculations are

presented in Appendix D of this report. A groundwater level of 10 feet below existing ground surface was assumed. The results of our findings are discussed below under the headings of the specific types of liquefaction which can be manifested during seismic shaking. Conclusions regarding liquefaction are presented in Section 6.3.

- **Loss of Bearing:**
  Liquefaction can potentially cause foundation bearing failure due to ground softening and near-failure in bearing. Based on the removal recommendations presented in this report, Alta anticipates that the potential for loss of bearing will be minimal.

- **Lateral Spreading:**
  The lateral displacement of surficial blocks of sediment can occur as a result of liquefaction in a subsurface layer. The most pervasive forms of lateral spreading typically involve sites located near a "free-face" (large slopes, channels, etc.), however, it has been noted that lateral spreading can occur on sites with gently sloping (1% or more) ground, such as the subject site.

  Determination of the potential for lateral spread is based on the presence of continuous potentially liquefiable soil layers underneath the structures, the presence of lateral confinement, and various analyses such as empirical modeling. Bartlett, Hansen and Youd (2002) states that surface manifestation of lateral spread is typically limited to sites with liquefiable soils within 10 meters (32 feet) of grade, and that sites underlain by soils with $(N1)_{60}$ values 15 and greater do not experience significant displacements from earthquakes with magnitudes less than 8.

  Given the flat nature of the site, the limited liquefiable layers with $(N1)_{60}$ values less than 15, our recommended unsuitable soil removals (Section 6.1.2) and our foundation design recommendations (Section 7.1), it is our opinion that the potential for lateral spread to occur onsite is considered within design tolerances of the proposed foundation systems, upon the completion of remedial grading.

- **Settlement:**
  Settlement due to seismic shaking can occur as a result of both liquefaction of saturated sediments or rearrangement of dry sand particles. Our liquefaction analysis was performed utilizing blow count data and laboratory test results to analyze the potential amount of settlement. A description of Alta's analysis and calculations are presented in Appendix D of this report. A discussion of settlement analysis results is presented in Section 6.3. Dynamic settlement design recommendations are presented in Section 7.1.
- **Flow Failure:**
  Due to the relatively flat nature of the site, and the relatively horizontal deposition of the underlying deposits, the potential for flow failure onsite is considered minimal.

4.5.5 Dry Sand Settlement

Dry sand settlement is the process of non-uniform settlement of the ground surface during a seismic event. Based on our subsurface investigation and our removal/recompaction recommendations, the potential for dry sand settlement is anticipated to be low and within foundation design tolerances. Design dynamic settlement parameters are presented in Table 7-1.

5.0 ENGINEERING PROPERTIES AND ANALYSIS

5.1 Materials Properties

Presented herein is a general discussion of the engineering properties of the onsite materials that will be encountered during construction of the proposed project. Descriptions of the soil (Unified Soil Classification System) are presented on the boring logs in Appendix B.

5.1.1 Excavation Characteristics

Based on the data provided from the subsurface investigations, it is our opinion that the onsite materials possess favorable excavation characteristics such that conventional earth moving equipment can be utilized.

5.1.2 Compressibility

The upper portions of the young alluvial fan deposits onsite are considered compressible and unsuitable to support the proposed improvements. Recommended removal depths are presented in Section 6.1.2.

5.1.3 Moisture

The moisture content of the undocumented artificial fill and upper portions of alluvium that will require removal and recompaction as discussed in Section 6.1.2 is relatively high, as shown on the boring logs in Appendix B.

5.1.4 Hydro-Consolidation

Hydro-consolidation is the effect of introducing water into soil that is prone to collapse. Upon loading and initial wetting, the soil structure and apparent strength are altered resulting in almost immediate settlement. That settlement can have adverse impacts on engineered structures, particularly in areas where it is manifested differentially. Differential settlements are typically associated with differential wetting, irregularities in the subsurface soil conditions, or irregular loading patterns.

Based on our laboratory testing (Appendix C), there is minimal potential for hydro-collapse in the young alluvial fan deposits onsite.

5.1.5 Expansion Potential

Expansion index testing was performed on samples taken during our subsurface investigation. Based on the results, it is anticipated that the majority of materials onsite are "very low" to "medium" in expansion potential (0≤EI≤90, Appendix C) when tested per ASTM D: 4829.

5.1.6 Earthwork Adjustments

The values presented in Table 5-1 are deemed appropriate for estimating purposes and may be used in an effort to balance earthwork quantities. As is the case with every project, contingencies should be made to adjust the earthwork balance when grading is in-progress and actual conditions are better defined.

TABLE 5-1
Earthwork Adjustment Factors

Geologic Unit	Adjustment Factor Range	Average
Young Alluvial Fan Deposits	Shrink 12% to 16%	14%

5.1.7 Chemical Analyses

Chemical testing was performed on samples of material underlying the proposed site. Soluble sulfate test results indicate that the soluble sulfate concentrations of the soils tested are classified as negligible (Category S0) per ACI 318-14.

Chloride levels of 150 ppm were detected in the onsite soils. Based on laboratory results of soluble sulfate, chloride, and pH testing as presented in Appendix C, the onsite soils are classified as "non-corrosive" to buried metals and concrete (Caltrans, 2022). Additional discussions on corrosion are presented in Section 7.9. Corrosion tests results are presented in Appendix C.

5.2 Engineering Analysis

Presented below is a general discussion of the engineering analysis methods that were utilized to develop the conclusions and recommendations presented in this report.

5.2.1 Bearing Capacity and Lateral Earth Pressures

Ultimate bearing capacity values were obtained using the graphs and formula presented in NAVFAC DM-7.1. Allowable bearing was determined by applying a factor of safety of at least 3 to the ultimate bearing capacity. Static lateral earth pressures were calculated using Rankine methods for active and passive cases. If it is desired to use Coulomb forces, a separate analysis specific to the application can be conducted.

6.0 CONCLUSIONS AND RECOMMENDATIONS

Based on Alta's findings during our subsurface investigation, the laboratory test results, and our staff's previous experience in the area, it is Alta's opinion that the development of the site is feasible from a geotechnical perspective. Presented below are recommendations that should be incorporated into site development and construction plans.

6.1 Remedial Grading Recommendations

All grading shall be accomplished under the observation and testing of the project geotechnical consultant in accordance with the recommendations contained herein and the City of Garden Grove criteria.

6.1.1 Site Preparation

Significant amounts of vegetation, construction debris, and other deleterious materials are unsuitable as structural fill material and should be disposed of off-site prior to commencing grading/construction. Any septic tanks, seepage pits or wells should be abandoned as per the County of Orange Department of Health Services.

Existing concrete should be removed prior to the placement of engineered fill. The demolished concrete may be incorporated into compacted, engineered fills after it is crushed to a maximum size of six (6) inches. Prior to placement as engineered fill any protruding steel rebar should be cut from the concrete pieces and disposed of offsite.

Existing asphaltic concrete should be removed prior to the placement of engineered fill. From a geotechnical perspective, this material may be incorporated into compacted, engineered fills after it is crushed to a maximum size of six (6) inches. The crushed asphalt should not be placed under residential structures, but rather, it can be placed in approved non-residential areas, such as streets, parking areas or open space. These recommendations should be verified by the environmental consultant.

6.1.2 Unsuitable Soil Removals

The upper portions of young alluvial fan deposits are compressible and as such, are not suitable to support the proposed structures. As such, it is anticipated that, on average, the upper four (4) to five (5) feet of existing soils will require removal and recompaction, extending at a 1:1 projection horizontally outside the structures. This recommended removal combined with the foundation recommendations presented in Section 7.1 should provide suitable support for the proposed structures.

Footings for structures should be underlain by a minimum of three (3) feet of compacted fill. As such, for building pads where unsuitable soil removals do not provide the minimum depth of compacted fill, or where design grades and/or remedial grading activities create cut/fill transitions, the cut and shallow fill portions of the building pads should be over-excavated during grading and replaced with compacted fill.

The Project Geotechnical Consultant should observe the removal bottom prior to placing fill. If unsuitable soils are exposed upon the completion of the removals recommended above, additional removals may be required.

For fill areas in streets, in general, a minimum removal and recompaction of the upper two (2) feet is recommended, however all undocumented artificial fill shall be removed and recompacted. For cuts greater than two (2) feet in street areas, removals are not required so long as young alluvial fan deposits are exposed. For cuts less than two (2) feet, the two (2) foot removal and recompaction applies.

Material removed as part of the unsuitable soil removals can be used as artificial fill, provided it is free of deleterious materials.

6.2 General Earthwork Recommendations

6.2.1 Compaction Standards

All fill and processed natural ground shall be compacted to a minimum relative compaction of 90 percent, as determined by ASTM Test Method: D-1557. Fill material should be moisture conditioned to optimum moisture or above, and as generally discussed in Alta's Earthwork Specification Section presented in Appendix F. Compaction shall be achieved with the use of sheepsfoot rollers or similar kneading type

equipment. Mixing and moisture conditioning will be required in order to achieve the recommended moisture conditions.

6.2.2 Groundwater/Seepage

It is anticipated that groundwater may be encountered during construction, depending on excavation depths. Perched water conditions could be encountered depending on the time of year construction occurs.

6.2.3 Documentation of Removals

All removal/over-excavation bottoms should be observed and approved by the project Geotechnical Consultant prior to fill placement. Consideration should be given to surveying the removal bottoms and undercuts after approval by the geotechnical consultant and prior to the placement of fill. Staking should be provided in order to verify undercut locations and depths.

6.2.4 Treatment of Removal Bottoms

At the completion of removals/over-excavation, the exposed removal bottom should be ripped to a minimum depth of eight (8) inches, moisture-conditioned to above optimum moisture content and compacted in-place to the project standards.

If saturated conditions are encountered on removal bottoms, stabilization may be needed. The contractor should review the subsurface information to determine the most feasible/cost-effective methodology. The intention of stabilization is to establish a firm compaction base. Utilizing rock or concrete fragments may be utilized to stabilize the bottom. The rock should be “punched” into the bottom to provide densification. It is anticipated that at least eighteen (18) to twenty-four (24) inches of rock/fragments would be required to stabilize

the bottom. Alternatively, placement of a geogrid along the removal bottom, followed by a layer of crushed rock/base over the grid is feasible. The strips of geotextile should overlap a minimum of 12-inches. Crushed concrete from the demolition of the existing structures may be used for stabilization purposes.

6.2.5 Fill Placement

After removals, scarification, and compaction of in-place materials are completed, additional fill may be placed. Fill should be placed in eight-inch bulk maximum lifts, moisture conditioned to optimum moisture content or above, compacted and tested as grading/construction progresses until final grades are attained.

6.2.6 Moisture Content

The moisture content of the upper in-situ soils is above optimum, as shown on the boring logs in Appendix B. The contractor shall take this into account when determining the most appropriate method for fill placement. The soils below 5-feet are near saturation. As such, these soils may need to be dried out before reusing them as engineered fill.

6.2.7 Mixing

Mixing of materials may be necessary to prevent layering of different soil types and/or different moisture contents. The mixing should be accomplished prior to and as part of compaction of each fill lift.

6.2.8 Import Soils

Import soils, if necessary, should consist of clean, structural quality, compactable materials similar to the on-site soils and should be free of trash, debris, or other objectionable materials. The project Geotechnical Consultant should be notified not less than 72 hours in advance of the locations of any soils proposed for import. Import sources should be

sampled, tested, and approved by the project Geotechnical Consultant at the source prior to the importation of the soils to the site. The project Civil Engineer should include these requirements on plans and specifications for the project.

6.2.9 Utility Trenches

6.2.9.1 Excavation

Utility trenches should be supported, either by laying back excavations or shoring, in accordance with applicable OSHA standards. In general, existing site soils are classified as Soil Type “B” and "C" per OSHA standards. Upon completion of the recommended removals and recompaction, the artificial fill will be classified as Soil Type "B". The Project Geotechnical Consulting should be consulted if geologic conditions vary from what is presented in this report.

6.2.9.2 Backfill

Trench backfill should be compacted to at least 90 percent of maximum dry density as determined by ASTM D-1557. Onsite soils will not be suitable for use as bedding material but will be suitable for use in backfill provided oversized materials are removed. No surcharge loads should be imposed above excavations. This includes spoil piles, lumber, concrete trucks, or other construction materials and equipment. Drainage above excavations should be directed away from the banks. Care should be taken to avoid saturation of the soils. Compaction should be accomplished by mechanical means. Jetting of native soils will not be acceptable.

Under-slab trenches should also be compacted to project specifications. If select granular backfill (SE > 30) is used, compaction by flooding will be acceptable.

Groundwater should be expected at approximately 10-feet. Localized de-watering (pumps) may be needed to construct deeper utilities. In areas where groundwater is encountered, it is recommended to utilize gravel/crushed rock as backfill in the saturated zone.

6.2.10 <u>Backcut Stability</u>

Temporary backcuts, if required during unsuitable soil removals, should be made no steeper than 1:1 without review and approval of the geotechnical consultant. Flatter backcuts may be necessary where geologic conditions dictate and where minimum width dimensions are to be maintained.

Care should be taken during remedial grading operations in order to minimize risk of failure. Should failure occur, complete removal of the disturbed material will be required.

In consideration of the inherent instability created by temporary construction backcuts for removals, it is imperative that grading schedules are coordinated to minimize the unsupported exposure time of these excavations. Once started, these excavations and subsequent fill operations should be maintained to completion without intervening delays imposed by avoidable circumstances. In cases where five-day workweeks comprise a normal schedule, grading should be planned to avoid exposing at-grade or near-grade excavations through a non-work weekend. Where improvements may be affected by temporary

instability, either on or offsite, further restrictions such as slot cutting, extending workdays, implementing weekend schedules, and/or other requirements considered critical to serving specific circumstances may be imposed.

6.3 Liquefaction

As discussed in Section 4.5.4 of this report, there is a potential for liquefaction to occur at the site during seismic shaking. More specifically, liquefaction could cause differential settlement. Typically, half to two thirds of that settlement should be considered differential (California Division of Mines and Geology, 2008, Special Publication 117a). If the analysis is based on multiple borings, seismic induced differential settlement may be determined as one-half the total settlement (City of Los Angeles, 2020). For lightly loaded, well-constructed structures underlain by a non-liquefiable layer over the liquefiable layers, such as will be developed at the site, the ultimate differential settlement across the structure may be more limited (Idriss and Boulinger, 2008).

In consideration of the proposed removal and recompaction of the soils below the proposed structures, the differential settlement shown in the liquefaction calculations, and the relatively uniform thickness of the liquefiable layers under the site, it is Alta's opinion that a dynamic differential settlement of 1.5-inches in 40 feet can be utilized in the design of the proposed structures onsite. It is recommended that the structures onsite be supported on a post-tensioned slab/foundation or mat slab system. As design of the project progresses, an additional investigation with a CPT rig should be considered to refine the design settlement.

6.4 Storm Water Infiltration Systems

From a geotechnical perspective, allowing storm water to infiltrate the onsite soil in concentrated areas increases the potential for settlement, liquefaction, and water-related damage to structures/improvements, such as wet slabs or pumping subgrade, and should be avoided where possible. If infiltration systems are required on this site, care should be taken in designing systems that control the storm water as much as possible.

Preliminary infiltration testing was conducted at the site as part of this investigation, and the methodology is discussed in 3.2. The resulting infiltration rates for P-1 and P-2 were calculated to be 0.1-inches per hour. The results do not include a factor of safety.

Groundwater was encountered during our investigation at a depth of 13.75 and 13.25 feet below the ground surface in borings B-1 and B-2, respectively. The historic high ground water is approximately 10 feet below the ground surface (CGS, 1997).

Based on our observations and testing, the upper soils are comprised of very fine to fine grained sandy silts in a moist to wet condition that exhibit relatively low infiltration rates. The WQMP designer should review the test results and determine if the proposed BMP system is appropriate for the site. The Project Geotechnical Consultant should review the final WQMP design prior to construction.

6.5 Boundary Conditions

The site is bounded to the west, east, and south by residential structures, to the north by two churches, and to the southeast by Bixby Street/Santa Barbara Avenue. Construction of retaining/screen walls along these boundaries may require additional geotechnical recommendations concerning unsuitable soil removals and foundation design parameters. Boundary conditions for the project should be reviewed by the Project Geotechnical Consultant as the design progresses.

7.0 DESIGN CONSIDERATIONS

7.1 Structural Design

It is anticipated that multi-story wood-framed residential structures with slab on-grade and shallow foundations will be constructed. Upon the completion of rough grading, finish grade samples should be collected and tested in order to provide specific recommendations as they relate to the individual building pads. These test results and corresponding design recommendations should be presented in a final rough grading report. Final slab and foundation design recommendations should be made based upon specific structure sitings, loading conditions, and as-graded soil conditions.

It is anticipated that the majority of onsite soils will possess “very low” to “medium” expansion potential when tested in general accordance with ASTM Test Method D: 4829. For budgeting purposes, the following foundation design requirements for a range of potential expansion characteristics are presented. Due to the potential for dynamic settlement onsite, it is recommended to utilize post-tensioned or mat slabs for this project (Per Section 12.13.9 of ASCE 7-16, a shallow foundation with ties, integral slab, or mat, designed for the stated settlement).

7.1.1 Foundation Design

Foundations may be preliminary designed based on the values presented in Table 7-1 below.

Table 7-1 Foundation Design Parameters*	
Allowable Bearing	2000 lbs/ft^2 (assuming a minimum embedment depth and width of 12 inches)
Lateral Bearing	250 lbs/ft^2 at a depth of 12 inches plus 250 lbs/ft^2 for each additional 12 inches of embedment to a maximum of 2000 lbs/ft^2.
Sliding Coefficient	0.30
Settlement	Static Settlement – 0.5 inch in 40 feet Dynamic Settlement – 1.5 inches in 40 feet

*These values may be increased as allowed by Code to resist transient loads such as wind or seismic. Building code and structural design considerations may govern depth and reinforcement requirements and should be evaluated.

7.1.2 Post-Tensioned Slabs/Foundation Design Recommendations

Post-tensioned slabs for the project may be designed utilizing the parameters presented in Tables 7-1 and 7-2. The parameters presented herein are based on methodology provided in the Design of Post-Tensioned Slabs-On-Ground, Third Edition, by the Post-Tensioning Institute, in accordance with the 2022 CBC.

TABLE 7-2 POST-TENSION SLAB DESIGN PARAMETERS						
Category	**Expansion Potential**	**Minimum Embedment***	**Edge Lift**		**Center Lift**	
			Em (ft)	**Ym (inch)**	**Em (ft)**	**Ym (inch)**
I	Very Low to Low	12 inches	5.4	0.61	9.0	0.26
II	Medium	18 inches*	5.0	1.10	9.0	0.46
Slab Subgrade Moisture						
Category I		Minimum 110% of optimum moisture to a depth of 12 inches prior to pouring concrete				
Category II		Minimum 120% of optimum moisture to a depth of 12 inches prior to pouring concrete				
Embedment*						
The minimum footing embedments presented herein are based on expansion indexes. The structural engineer should determine minimum embedments based on the number of floors supported by the footings, the structural loading, and the requirements of the latest California Building Code. If mat slabs are utilized, alternate embedment depths can be provided.						
Moisture Barrier						
A moisture barrier should be provided in accordance with the recommendations presented in Section 7.2						
The parameters presented herein are based on procedures presented in the Design of Post-Tensioned Slabs-On-Ground, Third Edition. No corrections for vertical barriers at the edge of the slab, or for adjacent vegetation have been assumed. The design parameters are based on a Constant Suction Value of 3.9 pF.						

7.2 Moisture Barrier

A moisture and vapor retarding system should be placed below the slabs-on-grade in portions of the structure considered to be moisture sensitive and should be capable of effectively preventing the migration of water and reducing the transmission of water vapor to acceptable levels. Historically, a 10-mil plastic membrane, such as Visqueen, placed between two to four inches of clean sand, has been used for this purpose. The use of this system or other systems can be considered, at the discretion of the designer, provided the system reduces the vapor transmission rates to acceptable levels.

7.3 Seismic Design

The site class was determined based on the referenced reports and published geologic maps in the area in general conformance with Chapter 20 of ASCE 7-16. There is a potential for liquefaction onsite which would result in a Site Class of F. However, it is assumed that the proposed structures onsite will have a fundamental period of vibration equal to or less than 0.5s. As such, per Section 20.3.1 of ASCE 7-16, a Site Class of D may be utilized for the onsite soils. The structural engineer shall verify the fundamental period of vibration of the proposed structures.

The seismic design parameters were calculated using a program based on the ASCE Hazard tool and ASCE 7-16 procedures. The resulting values are presented in Table 7-3. These values are applicable provided the exceptions presented in Supplements 2 and 3 of ASCE 7-16 are utilized in the design of the structure. If the design does not include the exception methodology, then a site-specific analysis shall be conducted.

TABLE 7-3 Seismic Ground Motion Values 2022 CBC and ASCE 7-16	
Parameter	*Value*
Site Class	D (assuming structures fundamental period of vibration is equal to or less than 0.5s)
Site Latitude	33.7912
Site Longitude	-118.0316
Spectral Response Acceleration Parameter, S_S	1.446
Spectral Response Acceleration Parameter, S_1	0.514
Site Coefficient, F_a	1.0
Site Coefficient, F_v	1.8
MCE Spectral Response Acceleration Parameter, S_{MS}	1.446
MCE Spectral Response Acceleration Parameter, S_{M1}	0.925
Design Spectral Response Acceleration Parameter, S_{DS}	0.964
Design Spectral Response Acceleration Parameter, S_{D1}	0.627
Peak Ground Acceleration, PGA_M	0.75

7.4 Fence and Garden Walls

Block walls, if used, should be embedded a minimum of 2 feet below the lowest adjacent grade. Construction joints (not more than 20 feet apart) should be included in the block wall construction. Side yard walls should be structurally separated from the rear yard wall.

7.5 Footing Excavations

Soils from the footing excavations should not be placed in slab-on-grade areas unless properly compacted and tested. The excavations should be cleaned of all loose/sloughed materials and be neatly trimmed at the time of concrete placement. The Project Geotechnical Consultant should observe the footing

excavations prior to the placement of concrete to determine that the excavations are founded in suitably compacted material.

7.6 Retaining Walls

Retaining walls should be founded on engineered fill and should be backfilled with granular soils that allow for drainage behind the wall. Foundations may be designed in accordance with the recommendations presented in Table 7-1, above. Unrestrained walls, free to horizontally move 0.0005H (for dense cohesionless backfill), may be designed to resist lateral pressures imposed by a fluid with a unit weight determined in accordance with the Table 7-4 below. The table also presents design parameters for restrained (at-rest) retaining walls. These parameters may be used to design retaining walls that may be considered as restrained due to the method of construction or location (corner sections of unrestrained retaining walls).

TABLE 7-4
Equivalent Fluid Pressures for 90% Compacted Fill (Select Material)

Backfill	Active Pressure (psf/ft)	At-Rest Pressure (psf/ft)
Level	35	55

Per the requirements of the 2022 CBC, the seismic force acting on the retaining walls with backfill exceeding 6-feet in height may be resolved utilizing the formula $14H^2$ lb/lineal ft (H=height of the wall). This force acts at approximately 0.6H above the base of the wall. The seismic value can be converted as required by the retaining wall engineer. Retaining walls should be designed in general accordance with Section 1807A.2 of the 2022 CBC.

- Restrained retaining walls should be designed for “at-rest” conditions.
- The design loads presented in the above table are to be applied on the retaining wall in a horizontal fashion and as such friction between wall and retained soils should not be allowed in the retaining wall analyses.

- Additional allowances should be made in the retaining wall design to account for the influence of construction loads, temporary loads, and possible nearby structural footing loads.
- Select backfill should be granular, structural quality backfill with a Sand Equivalent of 20 or better and an ASCE Expansion Index of 20 or less. The backfill must encompass the full active wedge area. The upper one foot of backfill should be comprised of native on-site soils (see Plate A).
- The wall design should include waterproofing (where appropriate) and backdrains or weep holes for relieving possible hydrostatic pressures. The backdrain should be comprised of a 4-inch perforated PVC pipe in a 1 ft. by 1 ft., ¾-inch gravel matrix, wrapped with a geofabric. The backdrain should be installed with a minimum gradient of 2 percent and should be outletted to an appropriate location. For subterranean walls this may include drainage by sump pumps.
- No backfill should be placed against concrete until minimum design strengths are achieved.

It should be noted that the allowable bearing and lateral bearing values presented in Table 7-1 are based on level conditions at the toe. Modified design parameters can be presented for retaining walls with sloping condition at the toe. Other conditions should be evaluated on a case-by-case basis.

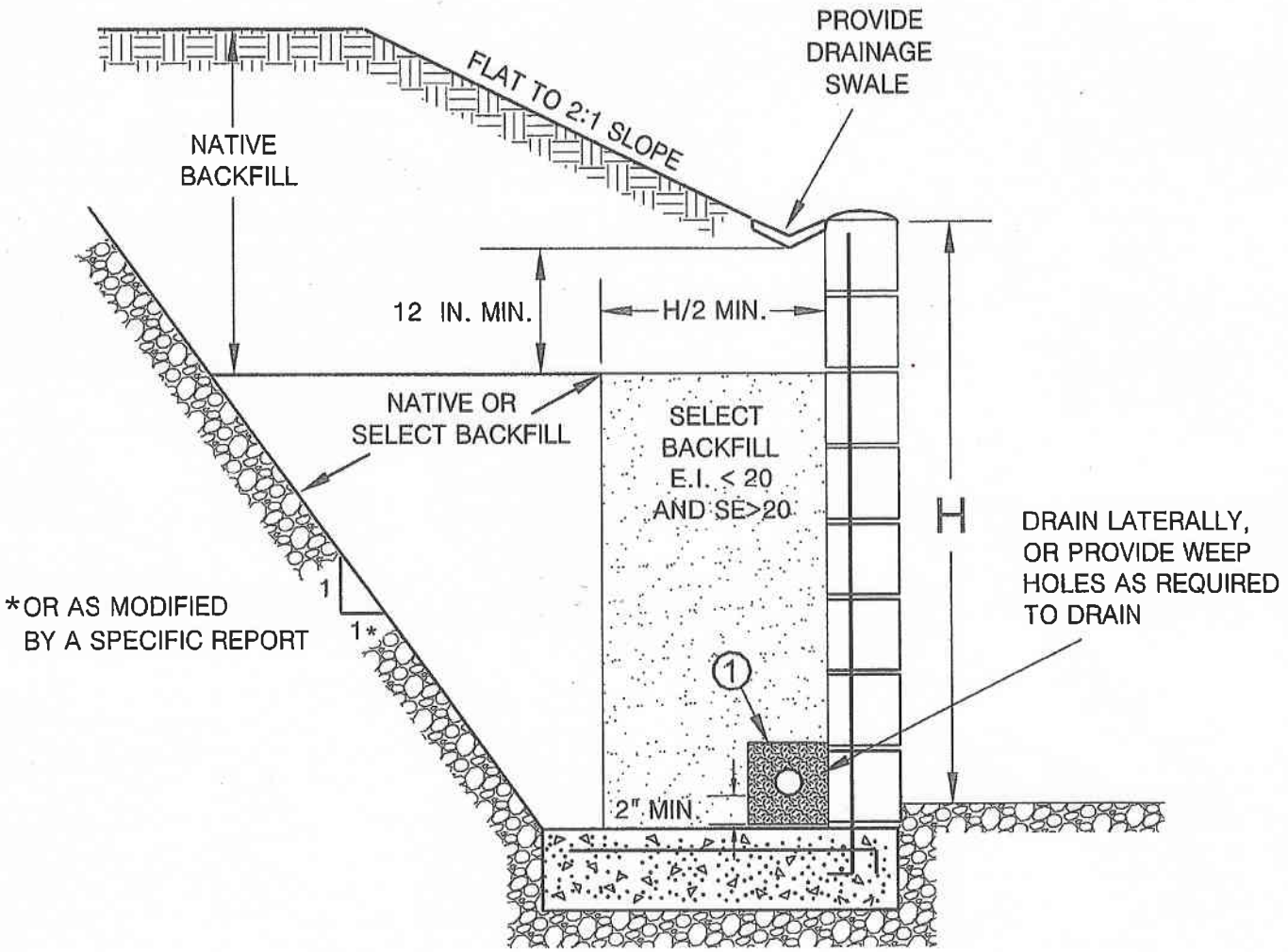
7.7 Exterior Slabs and Walkways

Exterior concrete slabs and walkways should be designed and constructed in consideration of the following recommendations.

7.7.1 Subgrade Compaction

The subgrade below exterior concrete slabs should be compacted to a minimum of 90 percent relative compaction as determined by ASTM Test Method: D 1557.

RETAINING WALL BACKFILL DETAIL



(1)

PIPE: 4-INCH PERFORATED PVC, SCHEDULE 40, SDR35 OR APPROVED ALTERNATE MINIMUM 8 PERFORATIONS (1/4-IN. DIA.) PER LINEAL FT. IN BOTTOM HALF OF PIPE

ROCK: MINIMUM VOLUME OF 1 CU. FT. OF 3/4-IN. MAX. ROCK PER. LINEAL FOOT OF PIPE, OR APPROVED ALTERNATE

FILTER FABRIC: MIRAFI 140 FILTER FABRIC OR APPROVED EQUIVALENT

ALTA CALIFORNIA GEOTECHNICAL, INC.
VER. 1/10

PLATE A

PATH:S:\Drafting\ALTA GEOTECHNICAL\GRADING DETAILS\PLATE A.dwg

7.7.2 Subgrade Moisture

The subgrade below concrete slabs should be moisture conditioned to a minimum of 110 percent of optimum moisture (low expansion) prior to concrete placement or 120 percent of optimum moisture (medium expansion) prior to concrete placement.

7.7.3 Concrete Slab Thickness

Concrete flatwork and driveways should be designed utilizing four-inch minimum thickness.

7.7.4 Concrete Slab Reinforcement

Utilization of reinforcement for flatwork and driveways is subject to a cost/benefit analysis. Reinforcement will decrease the amount of cracking that may occur in flatwork, however, planning for occasional repairs may be more cost effective. Utilizing closely spaced control joints is likely more cost-effective than utilizing reinforcement. The majority of the soils onsite are classified as very low to medium in expansion potential. Consideration should be given to reinforcing flatwork with irregular (non-square/rectangular) shapes or flatwork underlain by medium expansive soils. Reinforcement may consist of 6x6 W.14/W1.4 welded wire mesh or an equivalent section of rebar.

7.7.5 Control Joints

Weakened plane joints should be installed on walkways at intervals of approximately eight feet (maximum) or less. Exterior slabs should be designed to withstand shrinkage of the concrete.

7.8 Concrete Design

As stated in Section 5.1.7, negligible concentrations of sulfates were detected in the onsite soils (Class S0). Therefore, the use of sulfate resistant concrete is not required per ACI 318-14 at this time. Post-grading conditions should be evaluated, and final recommendations made at that time.

7.9 Corrosion

Based on preliminary testing, the onsite soils are moderately corrosive to buried metal objects. Buried ferrous metals should be protected against the effects of corrosive soils in accordance with the manufacturer's recommendations. Typical measures may include using non-corrosive backfill, protective coatings, wrapping, plastic pipes, or a combination of these methods. A corrosion engineer should be consulted if specific design recommendations are required by the improvement designer.

Per ACI 318-14, an exposure class of C1 would be applicable to metals encased in concrete (rebar in footings) due to being exposed to moisture from surrounding soils. Per Table 19.3.2.1 of ACI 318-14, the requirements for concrete with an exposure class of C1 are a minimum compressive strength of 2500 psi and a maximum water-soluble chloride ion content in concrete of 0.30 (percent by weight of cement).

7.10 Pavement Design

Pavement sections for the proposed streets shall be designed based on laboratory testing conducted on samples taken from the soil subgrade. Preliminarily, based on an assumed R-Value of 20, the pavement may be designed utilizing the sections presented in Table 7-5. These sections should be verified upon the completion of grading, based on R-Value testing. The ultimate pavement section design for public streets is under the City of Garden Grove's purview.

Table 7-5 Preliminary Pavement Sections		
Traffic Index	Pavement Section Options OR	
5.0	3-inch AC on 7-inch AB	4-inch AC on 5-inch AB
5.5	3-inch AC on 9-inch AB	4-inch AC on 7-inch AB
6.0	3.5-inch AC on 9.5-inch AB	4-inch AC on 8.5-inch AB
AC-Asphalt Concrete AB-Caltrans Class II Base		

Construction of the streets should be accomplished in accordance with the current criteria of the City of Garden Grove. Prior to the placement of base material, the subgrade should be suitably moisture conditioned, processed and compacted to a minimum 95 percent of the laboratory maximum density (ASTM: D 1557) to at least twelve (12) inches below subgrade. After subgrade compaction, the exposed grade should then be "proof"-rolled with heavy equipment to ensure the grade does not "pump" and is verified as non-yielding. Aggregate base material should be placed on the compacted subgrade and compacted in-place to a minimum 95 percent of the laboratory standard obtained per ASTM: D 1557.

7.11 Site Drainage

Positive drainage away from the proposed structures should be provided and maintained. Roof, pad, and lot drainage should be collected and directed away from the structures toward approved disposal areas through drainage terraces, gutters, down drains, and other devices. Design fine grade elevations should be maintained through the life of the structure or if design fine grade elevations are altered, adequate area drains should be installed in order to provide rapid discharge of water, away from structures.

8.0 LOT MAINTENANCE

Ongoing maintenance of the improvements is essential to the long-term performance of structures. As such, the owners must implement certain maintenance procedures. The attached " Maintenance and Improvement Considerations" presented in the Appendix E may be included as part of the sales packet to educate the owners in issues related to drainage, maintenance, improvements, etc. The following recommendations should also be implemented.

8.1 Lot Drainage

Roof, pad, and lot drainage should be collected and directed away from structures and slopes and toward approved disposal areas. Design fine grade elevations should be maintained throughout the life of the structure or if design fine grade elevations are altered, adequate area drains should be installed in order to provide rapid discharge of water, away from structures and slopes. Residents should be made aware that they are responsible for maintenance and cleaning of all drainage terraces, down drains, and other devices that have been installed to promote structure and slope stability.

8.2 Burrowing Animals

Owners should undertake a program for the elimination of burrowing animals.

9.0 FUTURE PLAN REVIEWS

This report represents a geotechnical review of the site. As the project design for the project progresses, site specific geologic and geotechnical issues should be considered in the design and construction of the project. Consequently, future plan reviews may be necessary. These reviews may include reviews of:

- Grading Plans
- Foundation Plans
- Utility Plans

These plans should be forwarded to the project Geotechnical Consultant for review.

10.0 CLOSURE

10.1 Geotechnical Review

For the purposes of this report, multiple working hypotheses were established for the project, utilizing the available data and the most probable model is used for the analysis. Future information collected during the proposed grading operations is intended to evaluate the hypothesis and as such, some of the assumptions summarized in this report may need to be changed. Some modifications of the grading recommendations may become necessary, should the conditions encountered in the field differ from the conditions hypothesized in this report.

Plans and sections of the project specifications should be reviewed by Alta to evaluate conformance with the intent of the recommendations contained in this report. If the project description or final design varies from that described in herein, Alta must be consulted regarding the applicability of the recommendations contained herein and whether any changes are required. Alta accepts no liability for any use of its recommendations if the project description or final design varies and Alta is not consulted regarding the alterations.

10.2 Limitations

This report is based on the following: 1) the project as presented on the attached plan; 2) the information obtained from Alta's laboratory testing included herein; and 3) from the information presented in the referenced reports. The findings and recommendations are based on the results of the subsurface investigation, laboratory testing, and office analysis combined with an interpolation and extrapolation of conditions between and beyond the subsurface excavation locations. However, the materials adjacent to or beneath those observed may have different characteristics than those observed, and no precise representations are made as to the quality or extent of the materials not

observed. The results reflect an interpretation of the direct evidence obtained. Work performed by Alta has been conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the geotechnical profession currently practicing in the same locality under similar conditions. No other representation, either expressed or implied, and no warranty or guarantee is included or intended.

The recommendations presented in this report are based on the assumption that an appropriate level of field review will be provided by a geotechnical consultant who is familiar with the design and site geologic conditions. That field review shall be sufficient to confirm that geotechnical and geologic conditions exposed during grading are consistent with the geologic representations and corresponding recommendations presented in this report.

The conclusions and recommendations included in this report are applicable to the specific design of this project as discussed in this report. They have no applicability to any other project or to any other location and any and all subsequent users accept any and all liability resulting from any use or reuse of the data, opinions, and recommendations without the prior written consent of Alta.

Alta has no responsibility for construction means, methods, techniques, sequences, procedures, safety precautions, programs in connection with the construction, acts or omissions of the CONTRACTOR or any other person performing any of the construction, or for the failure of any of them to carry out the construction in accordance with the final design drawings and specifications.

APPENDIX A

REFERENCES

APPENDIX A

Selected References

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APPENDIX B

Subsurface Investigation

APPENDIX B

Subsurface Investigation

Alta's subsurface investigation consisted of excavating, logging, and sampling three (3) hollow-stem auger borings. Details of the subsurface investigation are presented in Table B. The approximate location of the exploratory excavation is shown on the accompanying Plate 1 and the Geotechnical Logs are attached.

TABLE B
SURFACE INVESTIGATION DETAILS

Equipment	Range of Depths	Sampling Methods	Sample Locations
Hollow-stem auger	Up to 51.5 feet	1. Bulk 2. Ring Samples 3. SPT Samples	1. Bulk-Select Depths 2. Rings-Every 2.5 feet or 5 Feet 3. SPT-At Depths Below 20 Feet

UNIFIED SOIL CLASSIFICATION SYSTEM

Major Divisions		grf	ltr	Description
Coarse Grained Soils More than 50% retained on No. 200 sieve	Gravel and Gravelly Soils More than 50% of coarse fraction retained on No,. 4 sieve		GW	Well-graded gravels or gravel sand mixtures, little or no fines
			GP	Poorly-graded gravels or gravel sand mixture, little or no fines
			GM	Silty gravels, gravel-sand-silt mixtures
			GC	Clayey gravels, gravel-sand-clay mixtures
	Sand and Sandy Soils More than 50% of coarse fraction passes on No,. 4 sieve		SW	Well-graded sands or gravelly sands, little or no fines
			SP	Poorly-graded sands or gravelly sands, little or no fines
			SM	Silty sands, sand-silt mixtures
			SC	Clayey sands, and-clay mixtures

Major Divisions		grf	ltr	
Fine Grained Soils More than 50% passes on No. 200 sieve	Silts And Clays LL,<50		ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity
			CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays
			OL	Organic silts and organic silt-clays of low plasticity
	Silts And Clays LL,<50		MH	Inorganic silts, micaceous or diatomaceous fine or silty soils, elastic silts
			VH	Inorganic clays of high plasticity, fat clays
			OH	Organic clays of medium to high plasticity
Highly Organic Soils			PT	Peat and other highly organic soils

BOUNDARY CLASSIFICATION: Soils possessing characteristics of two groups are designated by combinations of group symbols.

PARTICLE SIZE LIMITS

U.S. STANDARD SERIES SIEVE: 200, 40, 10, 4

CLEAR SQUARE SIEVE OPENINGS: 3/4", 3", 12"

Silts and Clays	Sand			Gravel		Cobbles	Boulders
	Fine	Medium	Coarse	Fine	Coarse		

RELATIVE DENSITY

Sands and Gravels	Blows/Foot (SPT)
Very Loose	<4
Loose	4-10
Medium Dense	11-30
Dense	31-50
Very Dense	>50

CONSISTENCY CLASSIFICATION

Silts and Clays	Criteria
Very Soft	Thumb penetrates soil >1 in.
Soft	Thumb penetrates soil 1 in.
Firm	Thumb penetrates soil 1/4 in.
Stiff	Readily indented with thumbnail
Very Stiff	Thumbnail will not indent soil

HARDNESS

Bedrock
Soft
Moderately Hard
Hard
Very Hard

LABORATORY TESTS

Symbol	Test
DS	Direct Shear
DSR	Direct Shear (Remolded)
CON	
SA	Sieve Analysis
MAX	Maximum Density
RV	Resistance (R) Value
EI	Expansion Index
SE	Sand Equivalent
AL	Atterberg Limits
CHEM	Chemical Analysis
HY	Hydrometer Analysis

SOIL MOISTURE

Increasing Visual Moisture Content

Dry - Dry to touch

Moist - Damp, but no visible free water

wet - Visible free water

SIZE PROPORTIONS

Trace - <5%

Few - 5 to 10%

Some - 15 to 25%

KEY TO EXPLORATORY BORING LOGS

ALTA CALIFORNIA GEOTECHNICAL INC.

PLATE B

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0506	PROJECT NAME	5802 Santa Catalina		
DATE STARTED	12/21/23	GROUND ELEV.	30	BORING DESIG.	B-1
DATE FINISHED	12/21/23	GW DEPTH (FT)	14	LOGGED BY	YH
DRILLER	2R	DRIVE WT.	140 lbs	NOTE	
TYPE OF DRILL RIG	8" Hollow Stem Auger	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
	30				SM	**ASPHALT**, 3' asphaltic concrete, no aggregate base. **YOUNGER ALLUVIAL FAN DEPOSITS**(Qyf): SILTY SAND, very fine to fine grained, brown, moist, medium dense.				
		R	10				22.9	93	77	
5	25	R	10			@5.0 ft. trace clay.	26.4	94	93	CON, HY
10	20	R	8		ML	@10.0 ft. SANDY SILT, brown, wet, firm, trace orange mottling.	29.6	90	93	
						@13.75 ft. groundwater encountered.				
15	15	R	6			@15.0 ft. brown gray, moist, some orange mottling.	27.3	96	99	
20	10	R	11			@20.0 ft. stiff.	27.4	93	94	
25	5	S	1/3/3			@25.0 ft. green gray, firm, some clay.				HY
30	0	S	2/6/5			@30.0 ft. gray, moist, sitff.				HY
35	-5	S	3/5/5		SM	@35.0 ft. SILTY SAND, fine to medium grained, tan gray, moist, medium dense, some clay.				
						Continued;				
	-10									

SAMPLE TYPES:
- R RING (DRIVE) SAMPLE
- S SPT (SPLIT SPOON) SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE

GROUNDWATER
SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0506 PLATE B-1

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0506	PROJECT NAME	5802 Santa Catalina		
DATE STARTED	12/21/23	GROUND ELEV.	30	BORING DESIG.	B-1
DATE FINISHED	12/21/23	GW DEPTH (FT)	14	LOGGED BY	YH
DRILLER	2R	DRIVE WT.	140 lbs	NOTE	
TYPE OF DRILL RIG	8" Hollow Stem Auger	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
	-10	S	10/11/15			Continued; **YOUNGER ALLUVIAL FAN DEPOSITS**(Qyf): SAND, fine to medium grained, tan gray, moist, medium dense, some clay.				
45	-15	S	8/11/12							
50	-20	S	3/6/14			@50.0 ft. trace clay.				
						TOTAL DEPTH 51.5 FEET GROUNDWATER ENCOUNTERED AT 13.75 FEET NO CAVING OBSERVED				

SAMPLE TYPES:
- R RING (DRIVE) SAMPLE
- S SPT (SPLIT SPOON) SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE

GROUNDWATER
SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0506 PLATE B-1

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0506	PROJECT NAME	5802 Santa Catalina		
DATE STARTED	12/21/23	GROUND ELEV.	30	BORING DESIG.	B-2
DATE FINISHED	12/21/23	GW DEPTH (FT)	13	LOGGED BY	YH
DRILLER	2R	DRIVE WT.	140 lbs	NOTE	
TYPE OF DRILL RIG	8" Hollow Stem Auger	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
	30				SM	**ASPHALT**, 3' asphaltic concrete, no aggregate base. **YOUNGER ALLUVIAL FAN DEPOSITS**(Qyf): SILTY SAND, very fine to fine grained, brown, slightly moist, loose.				
		R	8				27.0	90	86	
5	25	R	10		ML	@5.0 ft. SANDY SILT, brown, slightly moist, firm, some clay.	23.9	97	89	MAX, EI, HY, CHEM
10	20	R	6			@10.0 ft. moist.	30.8	91	99	CON, HY
						@13.25 ft. groundwater encountered.				
15	15	R	13		SM	@15.0 ft. SILTY SAND, very fine to fine grained, brown, moist, medium dense.	25.9	96	94	
20	10	R	24			@20.0 ft. slightly moist, some clay.	24.5	98	93	HY
25	5	S	9/14/23		ML	@25.0 ft. SANDY SILT, tan gray, slightly moist, stiff.				HY
30	0	S	5/7/5			@30.0 ft. firm.				
35	-5	S	9/11/9		SP	@35.0 ft. SAND, fine grained, gray, slightly moist, medium dense.				
	-10					Continued;				

SAMPLE TYPES:
- R RING (DRIVE) SAMPLE
- S SPT (SPLIT SPOON) SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE

GROUNDWATER
SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0506 PLATE B-2

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0506	PROJECT NAME	5802 Santa Catalina		
DATE STARTED	12/21/23	GROUND ELEV.	30	BORING DESIG.	B-2
DATE FINISHED	12/21/23	GW DEPTH (FT)	13	LOGGED BY	YH
DRILLER	2R	DRIVE WT.	140 lbs	NOTE	
TYPE OF DRILL RIG	8" Hollow Stem Auger	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
	-10	S	4/9/14		SM	Continued; **YOUNGER ALLUVIAL FAN DEPOSITS**(Qyf): SILTY SAND, fine grained, gray, wet, medium dense.				
45	-15	S	11/12/14		SP	@45.0 ft. SAND, fine to medium grained, brown, slightly moist, medium dense.				
50	-20	S	12/27/40			@50.0 ft. some silt.				
						TOTAL DEPTH 51.5 FEET GROUNDWATER ENCOUNTERED AT 13.25 FEET NO CAVING OBSERVED				

SAMPLE TYPES:
- R RING (DRIVE) SAMPLE
- S SPT (SPLIT SPOON) SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE

GROUNDWATER
SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0506 PLATE B-2

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0506	PROJECT NAME	5802 Santa Catalina		
DATE STARTED	12/21/23	GROUND ELEV.	30	BORING DESIG.	P-1
DATE FINISHED	12/21/23	GW DEPTH (FT)		LOGGED BY	YH
DRILLER	2R	DRIVE WT.	140 lbs	NOTE	
TYPE OF DRILL RIG	8" Hollow Stem Auger	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
	30				SP	**ASPHALT**, 3' asphaltic concrete, no aggregate base **YOUNGER ALLUVIAL FAN DEPOSITS**(Qyf): SAND, fine to medium grained, brown, slightly moist, medium dense.				
5	25				SM	@5.0 ft. SILTY SAND, fine grained, brown, slightly moist, medium dense. TOTAL DEPTH 5.0 FEET NO GROUNDWATER ENCOUNTERED NO CAVING OBSERVED				

SAMPLE TYPES:
- R RING (DRIVE) SAMPLE
- S SPT (SPLIT SPOON) SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE

GROUNDWATER
SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0506 PLATE B-3

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0506	PROJECT NAME	5802 Santa Catalina		
DATE STARTED	12/21/23	GROUND ELEV.	30	BORING DESIG.	P-2
DATE FINISHED	12/21/23	GW DEPTH (FT)		LOGGED BY	YH
DRILLER	2R	DRIVE WT.	140 lbs	NOTE	
TYPE OF DRILL RIG	8" Hollow Stem Auger	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
	30				SM	**ASPHALT**, 3' asphaltic concrete, no aggregate base				
						YOUNGER ALLUVIAL FAN DEPOSITS(Qyf): SILTY SAND, very fine to fine grained, brown, slightly moist, medium dense.				
5	25					@5.0 ft. fine grained, wet.				
						TOTAL DEPTH 5.0 FEET NO GROUNDWATER ENCOUNTERED NO CAVING OBSERVED				

SAMPLE TYPES:
- R RING (DRIVE) SAMPLE
- S SPT (SPLIT SPOON) SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE

GROUNDWATER
SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0506 PLATE B-4

APPENDIX C

Laboratory Testing

LABORATORY TESTING

The following laboratory tests were performed on a representative sample in accordance with the applicable latest standards or methods from the ASTM, California Building Code (CBC) and California Department of Transportation.

Classification

Soils were classified with respect to the Unified Soil Classification System (USCS) in accordance with ASTM D-2487 and D-2488.

Particle Size Analysis

Modified hydrometer testing was conducted to aid in classification of the soil. The results of the particle size analysis are presented in Table C.

Maximum Density/Optimum Moisture

The maximum dry density and optimum moisture content of one representative bulk samples were evaluated in accordance with ASTM D-1557. The results are summarized in Table C.

Expansion Index Tests

One (1) expansion index test was performed to evaluate the expansion potential of typical on-site soil. Testing was carried out in general conformance with ASTM Test Method D-4829. The results are presented in Table C.

Consolidation Tests

Consolidation testing was performed on two (2) relatively “undisturbed” soil sample at its natural moisture content in accordance with procedures outlined in ASTM D-2435. The samples were placed in a consolidometer and loads were applied incrementally in geometric progression. The samples (2.42-inches in diameter and 1-inch in height) were permitted to consolidate under each load increment until the slope of the characteristic linear secondary compression portion of the thickness versus log of time plot was apparent. The percent consolidation for each load cycle was recorded as the ratio of the amount of vertical

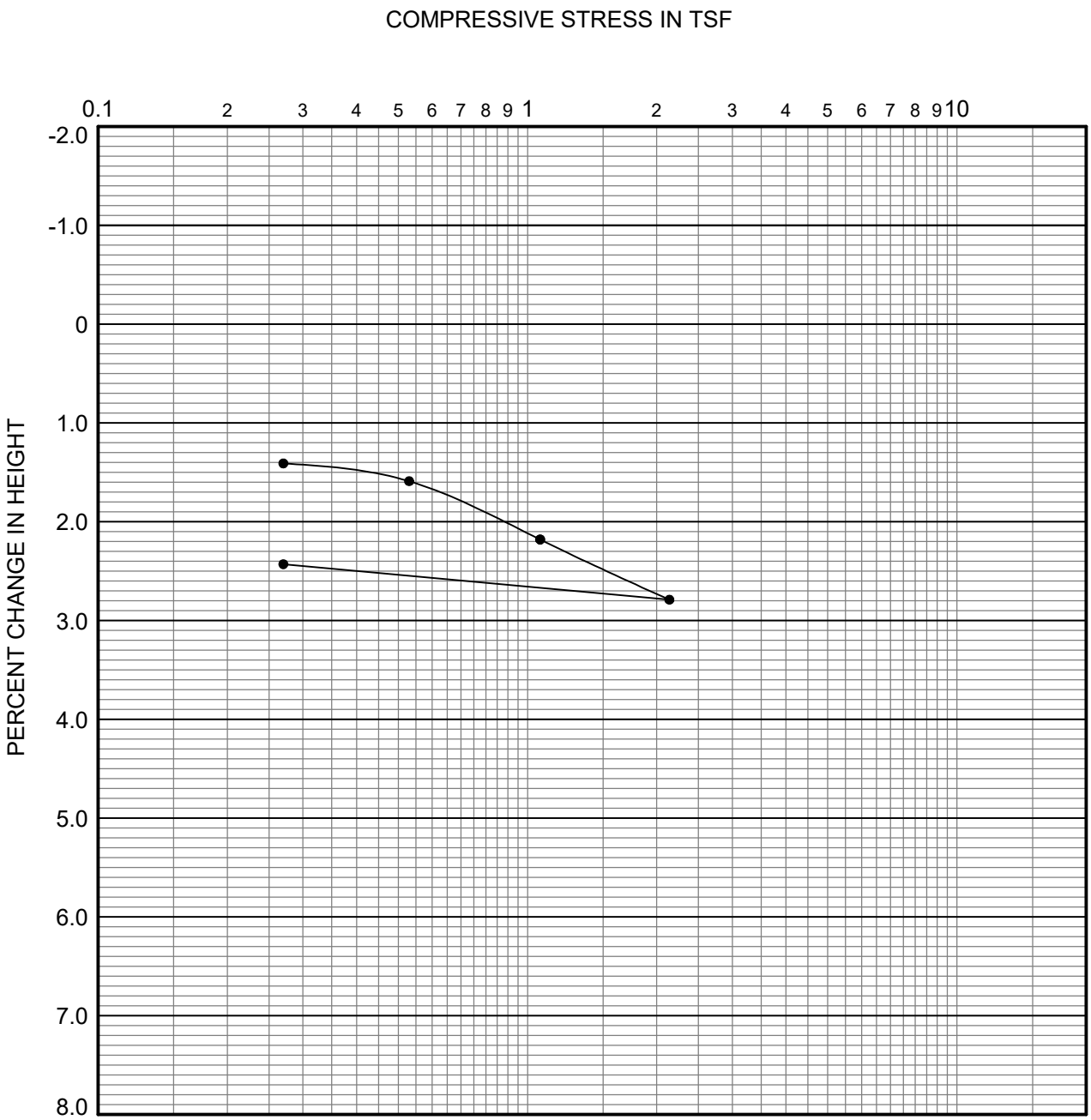
compression to the original 1-inch height. The consolidation test results are shown on Plate C-1 and C-2.

Chemical Analyses

Chemical testing was performed on one select sample by Alta. The results of these tests (sulfate content, resistivity, chloride content and pH) are presented on Table C.

TABLE C
SUMMARY OF LABORATORY TEST DATA
P.N. 1-0506

BORING	DEPTH (FEET)	SOIL DESCRIPTION	GROUP SYMBOL	MAXIMUM DENSITY (PCF)	OPTIMUM MOISTURE CONTENT (%)	DIRECT SHEAR	PLUS NO.4 SEIVE (plus 4.76mm) (%)	SAND (4.76mm-0.075mm) (%)	SILT (0.075mm-0.005mm) (%)	CLAY (minus 0.005mm) (%)	EXPANSION INDEX UBC 18-2	CONSOL	OTHER TESTS REMARKS
B-1	5	Silty Sand (Qyf)	SM				0	59	35	6		SEE PLATE C-1	
B-1	25	Silty Sand (Qyf)	SM				0	40	34	26			
B-1	30	Sandy Silt (Qyf)	ML				0	35	54	11			
B-2	5	Sandy Silt (Qyf)	ML	114.5	14.3		0	29	45	26	47		Sulf: 0.014% Chlr: 150 ppm pH: 11.5, Resis: 848 Ohm-cm
B-2	10	Sandy Silt (Qyf)	ML				0	40	44	16		SEE PLATE C-2	
B-2	20	Silty Sand (Qyf)	SM				0	63	21	16			
B-2	25	Sandy Silt (Qyf)	ML				0	46	29	25			



boring	depth (ft.)	dry density (pcf)	in situ moist. (%)	in situ satur. (%)	-200 sieve (%)	group symbol	typical names
B-1	5.0	94	26.4	93	41	SM	Silty Sand (Qyf)

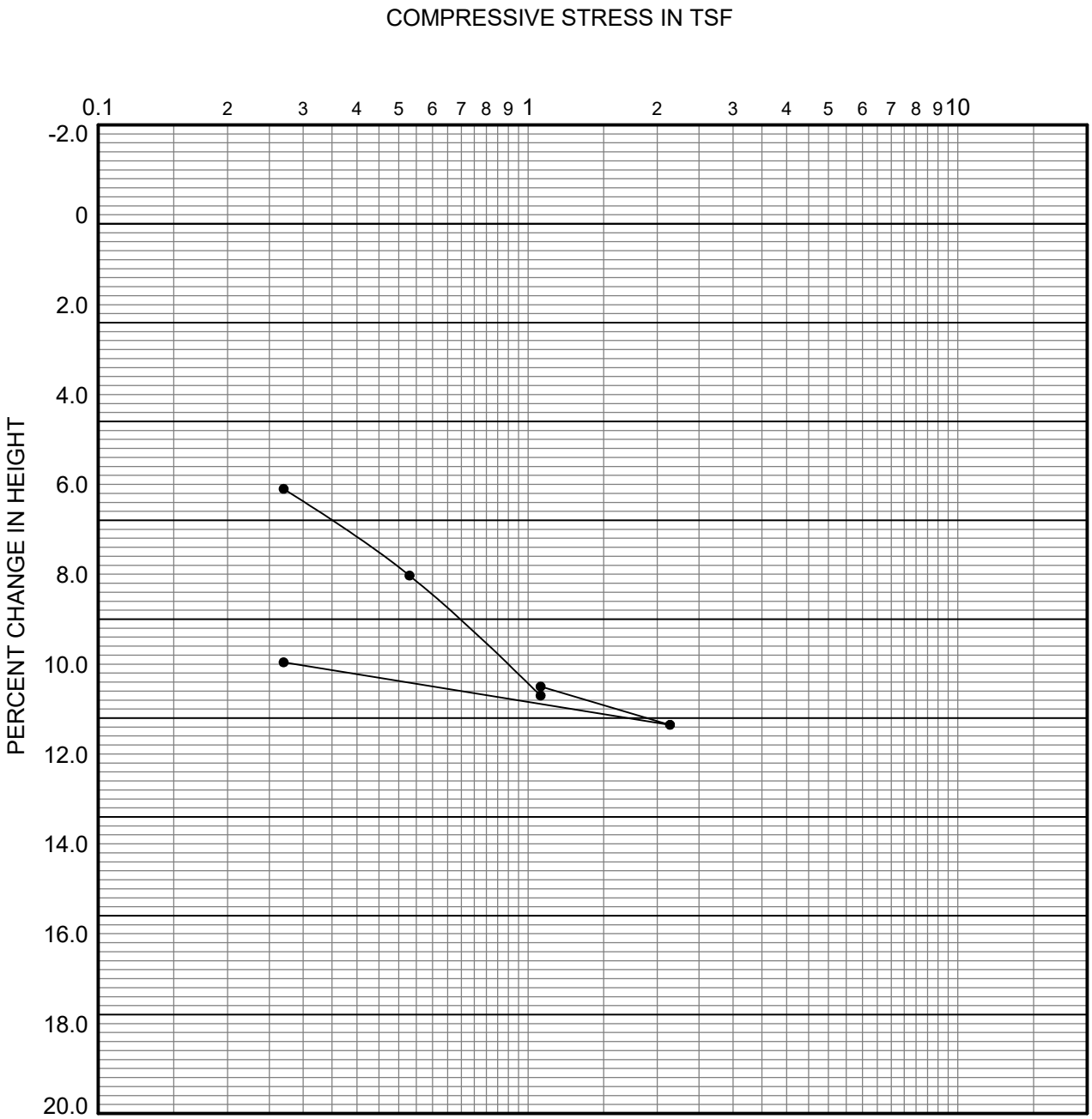
REMARKS: WATER ADDED AT 1.07 TSF

CONSOLIDATION CURVE

Alta California Geotechnical, Inc.

P.N. 1-0506

PLATE C-1



boring	depth (ft.)	dry density (pcf)	in situ moist. (%)	in situ satur. (%)	-200 sieve (%)	group symbol	typical names
B-2	10.0	91	30.8	99	60	ML	Sandy Silt (Qyf)

REMARKS: WATER ADDED AT 1.07 TSF

CONSOLIDATION CURVE

Alta California Geotechnical, Inc.

P.N. 1-0506

PLATE C-2

APPENDIX D

Liquefaction Analysis

APPENDIX D

LIQUEFACTION ANALYSIS

A liquefaction analysis was performed for the site based on blow count data for borings B-1 and B-2 are presented on the logs in Appendix B. The analysis utilized the PGA_M, the predominant earthquake magnitude assuming a 2% probability of exceedance in 50 years, and a factor of safety of 1.0. The results are presented on Plates D-1 and D-2.

Boring B-1																												
Depth (ft)	Rd	Overburden Stress (ksf)		Fines Content (%)	SPT Test							N1(60fc) I&B	Relative Density Dr (%)	Simplified CSR	CRR7.5	MSF	Safety Factor (SF)	Probability of Liquefaction PL(%)		Lateral Spreading Indexes (in)			Recons. Settlement (in)			Residual Strength Sr (ksf)	
		Total	Effective		N	Ce	Cr	Cs	Cb	Cn	N1(60)				Boulanger & Idriss (2014)	Boulanger & Idriss (2014)	Boulanger & Idriss (2014)	Youd & Noble	Cetin et al. 2004	Max. Shear Strain (%)	delta LDI	LDI	Vol. Strain (%)	delta S	S	Lower limit	Upper limit
5	0.987	0.7	0.7	40	7	1.33	0.75	1	1	1.58	11	18	63	0.443	0.443	1.29	-	-	-	-	-	-	-	-	-	-	-
10	0.966	1.29	1.22	60	5	1.33	0.79	1	1	1.28	7	13	53.4	0.456	0.456	1.29	-	-	-	-	-	-	-	-	-	-	-
15	0.943	1.85	1.47	50	4	1.33	0.9	1	1	1.18	6	12	50.7	0.531	0.531	1.29	-	-	-	-	-	-	-	-	-	-	-
20	0.917	2.41	1.72	50	7	1.33	0.93	1	1	1.09	9	16	59.7	0.576	0.576	1.29	-	-	-	-	-	-	-	-	-	-	-
25	0.89	2.97	1.97	60	6	1.33	0.96	1	1	1.02	8	14	55.9	0.601	0.601	1.29	-	-	-	-	-	-	-	-	-	-	-
30	0.861	3.53	2.22	60	11	1.33	0.97	1	1	0.96	14	21	68	0.614	0.614	1.29	-	-	-	-	-	-	-	-	-	-	-
35	0.831	4.1	2.47	40	10	1.33	0.98	1	1	0.9	12	19	64.4	0.617	0.617	1.29	0.4	12.7	100	19.1	11.45	25.29	2.4	1.44	3.53	0.4	1.6
40	0.801	4.68	2.75	10	26	1.33	0.98	1	1	0.84	29	30	81	0.612	0.612	1.29	1.03	7.9	89	3.6	1.52	13.84	0.7	0.3	2.09	1.2	1.8
45	0.771	5.27	3.02	10	23	1.33	0.99	1	1	0.79	24	25	74.3	0.603	0.603	1.29	0.62	6.2	100	12.3	7.36	12.32	1.9	1.12	1.79	0.8	2
50	0.742	5.86	3.3	10	20	1.33	1	1	1	0.74	20	21	67.5	0.591	0.591	1.29	0.46	7.6	100	16.5	4.96	4.96	2.2	0.67	0.67	0.6	2.1

Legend	
Rd	Depth Reduction Factor
N	SPT Blow Count
Ce	Energy Level Factor
Cr	Rod Length Factor
Cs	Sample Liner Correction
Cb	Borehole Diameter Factor
Cn	Depth Correction / Normalization Factor
N1(60)	Corrected SPT Blow Counts
MSF	Magnitude Scaling Factor
SF	$SF=CRR_{7.5}*MSF/CSR$
LDI	Lateral Displacement Index
S	Settlement
	SF<1

PLATE D–1

Boring B-2																												
Depth (ft)	Rd	Overburden Stress (ksf)		Fines Content (%)	SPT Test							N1(60fc) I&B	Relative Density Dr (%)	Simplified CSR	CRR7.5	MSF	Safety Factor (SF)	Probability of Liquefaction PL(%)		Lateral Spreading Indexes (in)			Recons. Settlement (in)			Residual Strength Sr (ksf)	
		Total	Effective		N	Ce	Cr	Cs	Cb	Cn	N1(60)				Boulanger & Idriss (2014)	Boulanger & Idriss (2014)	Boulanger & Idriss (2014)	Youd & Noble	Cetin et al. 2004	Max. Shear Strain (%)	delta LDI	LDI	Vol. Strain (%)	delta S	S	Lower limit	Upper limit
5	0.987	0.7	0.7	60	7	1.33	0.75	1	1	1.58	11	18	63.1	0.443	0.443	1.29	-	-	-	-	-	-	-	-	-	-	-
10	0.966	1.26	1.2	60	4	1.33	0.79	1	1	1.29	5	12	50.1	0.456	0.456	1.29	-	-	-	-	-	-	-	-	-	-	-
15	0.943	1.83	1.45	40	9	1.33	0.9	1	1	1.19	13	20	66.6	0.532	0.532	1.29	0.52	12.9	98.8	17.3	7.26	20.2	2.3	0.95	3.12	0.3	0.9
20	0.917	2.41	1.73	40	16	1.33	0.93	1	1	1.09	22	31	82	0.575	0.575	1.29	1.25	13.8	0.1	3.3	2.61	12.94	0.6	0.5	2.17	0.8	1.1
25	0.89	2.99	2	60	37	1.33	0.96	1	1	1.01	48	63	100	0.599	0.599	1.29	-	-	-	-	-	-	-	-	-	-	-
30	0.861	3.56	2.24	60	12	1.33	0.97	1	1	0.95	15	23	70.2	0.611	0.611	1.29	-	-	-	-	-	-	-	-	-	-	-
35	0.831	4.12	2.5	10	20	1.33	0.98	1	1	0.89	23	25	73.3	0.615	0.615	1.29	0.59	6.8	100	13.1	7.88	10.33	1.9	1.15	1.67	0.6	1.6
40	0.801	4.71	2.77	40	23	1.33	0.98	1	1	0.84	25	35	87.6	0.61	0.61	1.29	1.66	26.6	0	0	0	2.45	0	0	0.52	-	-
45	0.771	5.29	3.05	10	26	1.33	0.99	1	1	0.78	27	28	78.6	0.601	0.601	1.29	0.84	6.1	98.8	5.8	2.45	2.45	1.2	0.52	0.52	1.1	2
50	0.742	5.88	3.32	10	67	1.33	1	1	1	0.74	66	68	100	0.589	0.589	1.29	1.7	0	0	0	0	0	0	0	0	-	-

Legend	
Rd	Depth Reduction Factor
N	SPT Blow Count
Ce	Energy Level Factor
Cr	Rod Length Factor
Cs	Sample Liner Correction
Cb	Borehole Diameter Factor
Cn	Depth Correction / Normalization Factor
N1(60)	Corrected SPT Blow Counts
MSF	Magnitude Scaling Factor
SF	$SF=CRR_{7.5}*MSF/CSR$
LDI	Lateral Displacement Index
S	Settlement
	SF<1

PLATE D-2

APPENDIX E

Maintenance and Improvement Considerations

MAINTENANCE AND IMPROVEMENT CONSIDERATIONS

General

Owners purchasing property must assume a certain degree of responsibility for improvements and for maintaining conditions around their home. Of primary importance from a geotechnical standpoint are maintaining drainage patterns and minimizing the soil moisture variation below all improvements. Such design, construction and owner maintenance provisions may include:

- Employing contractors for improvements who design and build in recognition of local building codes and specific site soils conditions.
- Establishing and maintaining positive drainage away from all foundations, walkways, driveways, patios, and other improvements.
- Avoiding the construction of planters adjacent to structural improvements. Alternatively, planter sides/bottoms can be sealed with an impermeable membrane and drained away from the improvements via subdrains into approved disposal areas.
- Sealing and maintaining construction/control joints within concrete slabs and walkways to reduce the potential for moisture infiltration into the subgrade soils.
- Utilizing landscaping schemes with vegetation that requires minimal watering. Watering should be done in a uniform manner, as equally as possible on all sides of the foundation, keeping the soil "moist" but not allowing the soil to become saturated.
- Maintaining positive drainage away from structures and providing roof gutters on all structures with downspouts that are designed to carry roof runoff directly into area drains or discharged well away from the foundation areas.
- Avoiding the placement of trees closer to the proposed structures than a distance of one-half the mature height of the tree.
- Observation of the soil conditions around the perimeter of the structure during extremely hot/dry or unusually wet weather conditions so that modifications can be made in irrigation programs to maintain relatively uniform moisture conditions.

Sulfates

Owners should be cautioned against the import and use of certain inorganic fertilizers, soil amendments, and/or other soils from offsite sources in the absence of specific information relating to their chemical composition. Some fertilizers have been known to leach sulfate compounds into soils and increase the sulfate concentrations to potentially detrimental levels.

Site Drainage

- The owners should be made aware of the potential problems that may develop when drainage is altered through construction of hardscape improvements. Ponded water, drainage over the slope face, leaking irrigation systems, overwatering, or other conditions which could lead to ground saturation must be avoided.
- No water should be allowed to flow over the slopes. No alteration of pad gradients should be allowed that would prevent pad and roof runoff from being directed to approved disposal areas.
- Drainage patterns have been established at the time of the fine grading should be maintained throughout the life of the structure. No alterations to these drainage patterns should be made unless designed by qualified professionals in compliance with local code requirements and site-specific soils conditions.

Slope Drainage

- Residents should be made aware of the importance of maintaining and cleaning all interceptor ditches, drainage terraces, down drains, and any other drainage devices, which have been installed to promote slope stability.
- Subsurface drainage pipe outlets may protrude through slope surfaces and/or wall faces. These pipes, in conjunction with the graded features, are essential to slope and wall stability and must be protected in-place. They should not be altered or damaged in any way.

Planting and Irrigation of Slopes

- Seeding and planting of the slopes should be planned to achieve, as rapidly as possible, a well-established and deep-rooted vegetal cover requiring minimal watering.
- It is the responsibility of the landscape architect to provide such plants initially and of the residents to maintain such planting. Alteration of such a planting scheme is at the resident's risk.
- The resident is responsible for proper irrigation and for maintenance and repair of properly installed irrigation systems. Leaks should be fixed immediately.

- Sprinklers should be adjusted to provide maximum uniform coverage with a minimum of water usage and overlap. Overwatering with consequent wasteful runoff and serious ground saturation must be avoided.
- If automatic sprinkler systems are installed, their use must be adjusted to account for seasonal and natural rainfall conditions.

Burrowing Animals

- Residents must undertake a program to eliminate burrowing animals. This must be an ongoing program in order to promote slope stability.

Owner Improvement

Owner improvements (pools, spas, patio slabs, retaining walls, planters, etc.) should be designed to account for the terrain of the project, as well as expansive soil conditions and chemical characteristics. Design considerations on any given lot may need to include provisions for differential bearing materials, ascending/descending slope conditions, bedrock structure, perched (irrigation) water, special geologic surcharge loading conditions, expansive soil stresses, and long-term creep/settlement.

All owner improvements should be designed and constructed by qualified professionals utilizing appropriate design methodologies, which account for the on-site soils and geologic conditions. Each lot and proposed improvement should be evaluated on an individual basis.

Setback Zones

Manufactured slopes maybe subject to long-term settlement and creep that can manifest itself in the form of both horizontal and vertical movement. These movements typically are produced as a result of weathering, erosion, gravity forces, and other natural phenomenon. A setback adjacent to slopes is required by most building codes, including the California Building Code. This zone is intended to locate and support the residential structures away from these slopes and onto soils that are not subject to the potential adverse effects of these natural phenomena.

The owner may wish to construct patios, walls, walkways, planters, swimming pools, spas, etc. within this zone. Such facilities may be sensitive to settlement and creep and should not be

constructed within the setback zone unless properly engineered. It is suggested that plans for such improvements be designed by a professional engineer who is familiar with grading ordinances and design and construction requirements. In addition, we recommend that the designer and contractor familiarize themselves with the site specific geologic and geotechnical conditions on the specific lot.

APPENDIX F

Earthwork Specifications

ALTA CALIFORNIA GEOTECHNICAL, INC.
EARTHWORK SPECIFICATIONS

These specifications present the generally accepted standards and minimum earthwork requirements for the development of the project. These specifications shall be the project guidelines for earthwork except where specifically superseded in preliminary geology and soils reports, grading plan review reports or by the prevailing grading codes or ordinances of the controlling agency.

A. GENERAL

1. The Contractor shall be responsible for the satisfactory completion of all earthwork in accordance with the project plans and specifications.

2. The project Geotechnical Engineer and Engineering Geologist, or their representatives, shall provide observation and testing services, and Geotechnical consultation for the duration of the project.

3. All clearing, grubbing, stripping and site preparation for the project shall be accomplished by the Contractor to the satisfaction of the Geotechnical Engineer/Engineering Geologist.

4. It is the Contractor's responsibility to prepare the ground surface to receive fill to the satisfaction of the Geotechnical Engineer and to place, spread, mix, moisture condition, and compact the fill in accordance with the job specifications and as required by the Geotechnical Engineer. The Contractor shall also remove all material considered by the Geotechnical Engineer to be unsuitable for use in the construction of engineered fills.

5. The Contractor shall have suitable and sufficient equipment in operation to handle the amount of fill being placed. When necessary, equipment will be shut down temporarily in order to permit the proper preparation of fills.

B. PREPARATION OF FILL AREAS

1. Excessive vegetation and all deleterious material should be disposed of offsite as required by the Geotechnical Engineer.

   Existing fill, soil, alluvium or rock materials determined by the Geotechnical Engineer as being unsuitable for placement in compacted fills shall be removed and hauled from the site. Where applicable, the Contractor may obtain the

approval of the Soils Engineer and the controlling authorities for the project to dispose of the above described materials, or a portion thereof, in designated areas onsite.

After removal of the deleterious materials have been accomplished, earth materials deemed unsuitable in their natural, in-place condition, shall be removed as recommended by the Geotechnical Engineer/Engineering Geologist.

2. Upon achieving a suitable bottom for fill placement, the exposed removal bottom shall be disced or bladed by the Contractor to the satisfaction of the Geotechnical Engineer. The prepared ground surfaces shall then be brought to the specified moisture content mixed as required, and compacted and tested as specified. In localities where it is necessary to obtain the approval of the controlling agency prior to placing fill, it will be the Contractor's responsibility to contact the proper authorities to visit the site.

3. Any underground structure such as cesspools, cisterns, mining shafts, tunnels, septic tanks, wells, pipelines or other structures not located prior to grading are to be removed or treated in a manner prescribed by the Geotechnical Engineer and/or the controlling agency for the project.

C. ENGINEERED FILLS

1. Any material imported or excavated on the property may be utilized as fill, provided the material has been determined to be suitable by the Geotechnical Engineer. Deleterious materials shall be removed from the fill as directed by the Geotechnical Engineer.

2. Rock or rock fragments less than twelve inches in the largest dimension may be utilized in the fill, provided they are not placed in concentrated pockets and the distribution of the rocks is approved by the Geotechnical Engineer.

3. Rocks greater than twelve inches in the largest dimension shall be taken offsite, or placed in accordance with the recommendations of the Geotechnical Engineer in areas designated as suitable for rock disposal.

4. All materials to be used as fill, shall be tested in the laboratory by the Geotechnical Engineer. Proposed import materials shall be approved by the Geotechnical Engineer 48 hours prior to importation.

5. The fill materials shall be placed by the Contractor in lifts, that when compacted, shall not exceed six inches. Each lift shall be spread evenly and shall be

thoroughly mixed to achieve a near uniform moisture condition and a uniform blend of materials.

All compaction shall be achieved at or above the optimum moisture content, as determined by the applicable laboratory standard. The Contractor will be notified if the fill materials are too wet or too dry to achieve the required compaction standard.

6. When the moisture content of the fill material is below the limit specified by the Geotechnical Engineer, water shall be added and the materials shall be blended until a uniform moisture content, within specified limits, is achieved. When the moisture content of the fill material is above the limits specified by the Geotechnical Engineer, the fill materials shall be aerated by discing, blading, mixed with dryer fill materials, or other satisfactory methods until the moisture content is within the specified limits.

7. Each fill lift shall be compacted to the minimum project standards, in compliance with the testing methods specified by the controlling governmental agency, and in accordance with recommendations of the Geotechnical Engineer.

   In the absence of specific recommendations by the Geotechnical Engineer to the contrary, the compaction standard shall be the most recent version of ASTM:D 1557.

8. Where a slope receiving fill exceeds a ratio of five-horizontal to one-vertical, the fill shall be keyed and benched through all unsuitable materials into sound bedrock or firm material, in accordance with the recommendations and approval of the Geotechnical Engineer.

9. Side hill fills shall have a minimum key width of 15 feet into bedrock or firm materials, unless otherwise specified in the soil report and approved by the Geotechnical Engineer in the field.

10. Drainage terraces and subdrainage devices shall be constructed in compliance with the ordinances of the controlling governmental agency and/or with the recommendations of the Geotechnical Engineer and Engineering Geologist.

11. The Contractor shall be required to maintain the specified minimum relative compaction out to the finish slope face of fill slopes, buttresses, and stabilization fills as directed by the Geotechnical Engineer and/or the governing agency for the project. This may be achieved by either overbuilding the slope and cutting

back to the compacted core; by direct compaction of the slope face with suitable equipment; or by any other procedure which produces the required result.

12. The fill portion of fill-over-cut slopes shall be properly keyed into rock or firm material; and the fill area shall be stripped of all soil or unsuitable materials prior to placing fill.

    The design cut portion of the slope should be made first and evaluated for suitability by the Engineering Geologist prior to placement of fill in the keyway above the cut slope.

13. Pad areas in cut or natural ground shall be approved by the Geotechnical Engineer. Finished surfaces of these pads may require scarification and recompaction, or over excavation as determined by the Geotechnical Engineer.

D. CUT SLOPES

1. The Engineering Geologist shall observe all cut slopes and shall be notified by the Contractor when cut slopes are to be started.

2. If, during the course of grading, unforeseen adverse or potentially adverse geologic conditions are encountered, the Engineering Geologist and Soil Engineer shall investigate, analyze and make recommendations to remediate these problems.

3. Non-erodible interceptor swales shall be placed at the top of cut slopes that face the same direction as the superjacent, prevailing drainage.

4. Unless otherwise specified in specific geotechnical reports, no cut slopes shall be excavated higher or steeper than that allowed by the ordinances of controlling governmental agencies.

5. Drainage terraces shall be constructed in compliance with the ordinances of the controlling governmental agencies, and/or in accordance with the recommendations of the Geotechnical Engineer or Engineering Geologist.

E. GRADING CONTROL

1. Fill placement shall be observed and tested by the Geotechnical Engineer and/or his representative during grading.

   Field density tests shall be made by the Geotechnical Engineer and/or his representative to evaluate the compaction and moisture compliance of each fill lift. Density tests shall be conducted at intervals not to exceed two feet of fill

height. Where sheepsfoot rollers are used, the fill may be disturbed to a depth of several inches. Density determinations shall be taken in the compacted material below the disturbed surface at a depth determined by the Geotechnical Engineer or his representative.

2. Where tests indicate that the density of any layer of fill, or portion thereof, is below the required relative compaction, or improper moisture content is in evidence, that particular layer or portion thereof shall be reworked until the required density and/or moisture content has been attained. Additional fills shall not be placed over an area until the previous lift of fill has been tested and found to meet the density and moisture requirements for the project and the previous lift is approved by the Geotechnical Engineer.

3. When grading activities are interrupted by heavy rains, fill operations shall not be resumed until field observations and tests by the Geotechnical Engineer indicate the moisture content and density of the fill are within the specified limits.

4. During construction, the Contractor shall properly grade all surfaces to maintain good drainage and prevent the ponding of water. The Contractor shall take remedial action to control surface water and to prevent erosion of graded areas until such time as a permanent drainage and erosion devices have been installed.

5. Observation and testing by the Geotechnical Engineer and/or his representative shall be conducted during filling and compacting operations in order that he will be able to state in his opinion that all cut and filled areas are graded in accordance with the approved specifications.

6. Upon the completion of grading activities and after the Geotechnical Engineer and Engineering Geologist have finished their observations of the work, final reports shall be submitted. No further excavation or fill placement shall be undertaken without prior notification of the Geotechnical Engineer and/or Engineering Geologist.

F. FINISHED SLOPES

All finished cut and fill slopes shall be planted and irrigated and/or protected from erosion in accordance with the project specifications, governing agencies, and/or as recommended by a landscape architect.

APPENDIX G

Grading Details

DETAIL FOR FILL SLOPE TOEING OUT ON FLAT ALLUVIATED CANYON

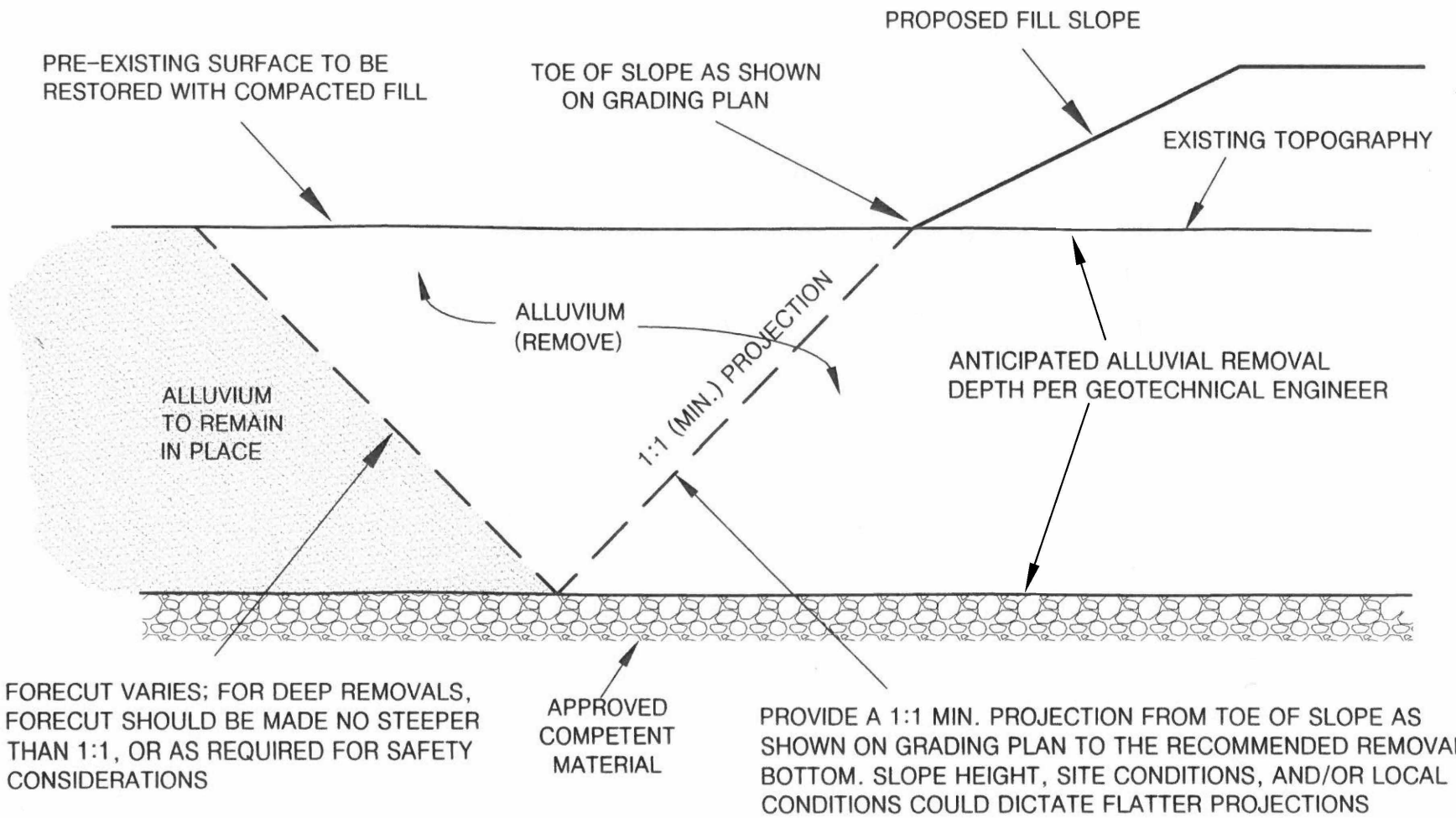


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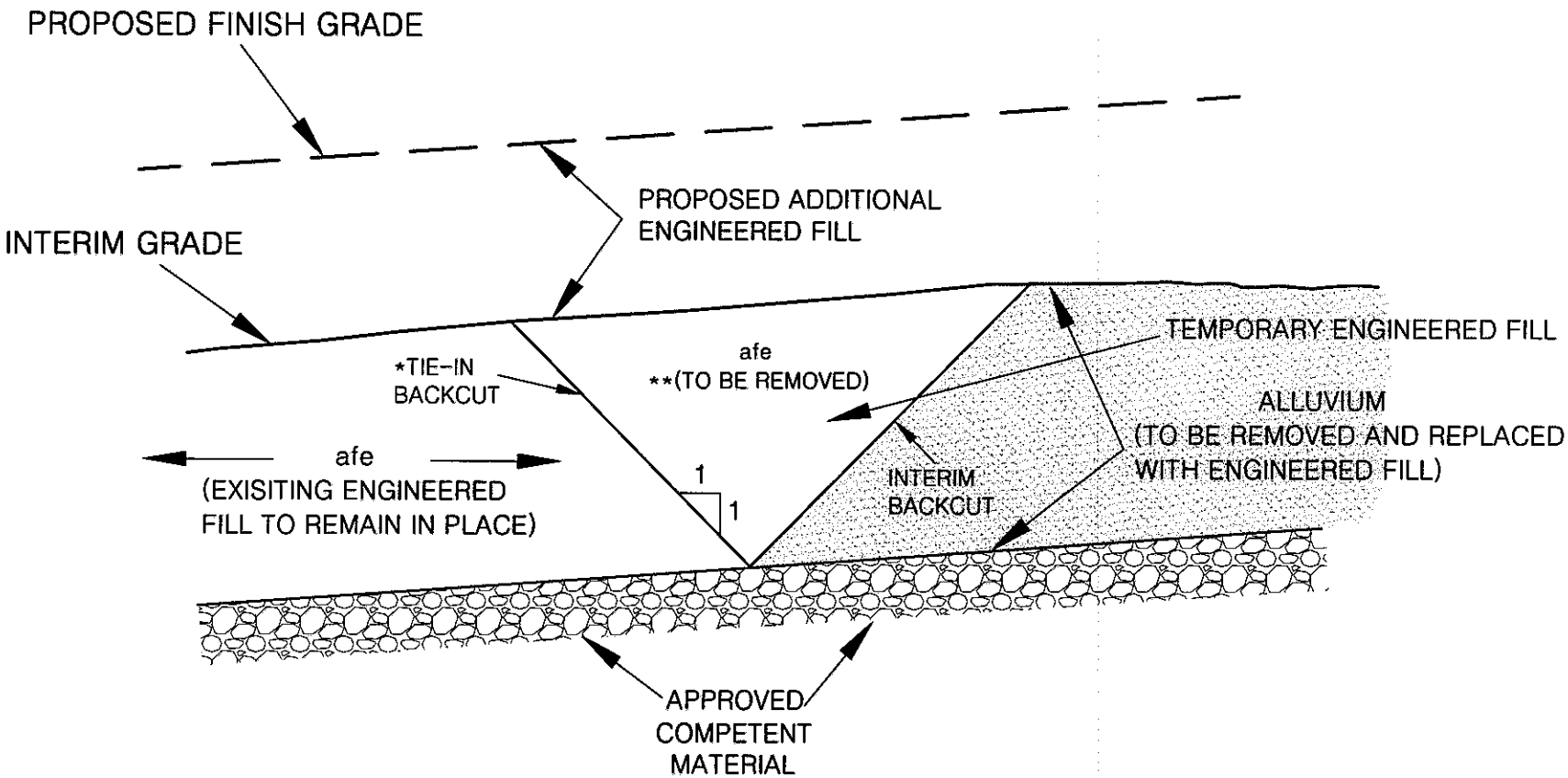
PLATE G-1

PATH: C:\Users\Jinks\Desktop\Drafting\GRADING DETAILS\G-1.dwg

REMOVAL ADJACENT TO EXISTING FILL



*INITIATE 1:1 TIE-IN BACKCUT TO INTERCEPT TOE OF INTERIM BACKCUT

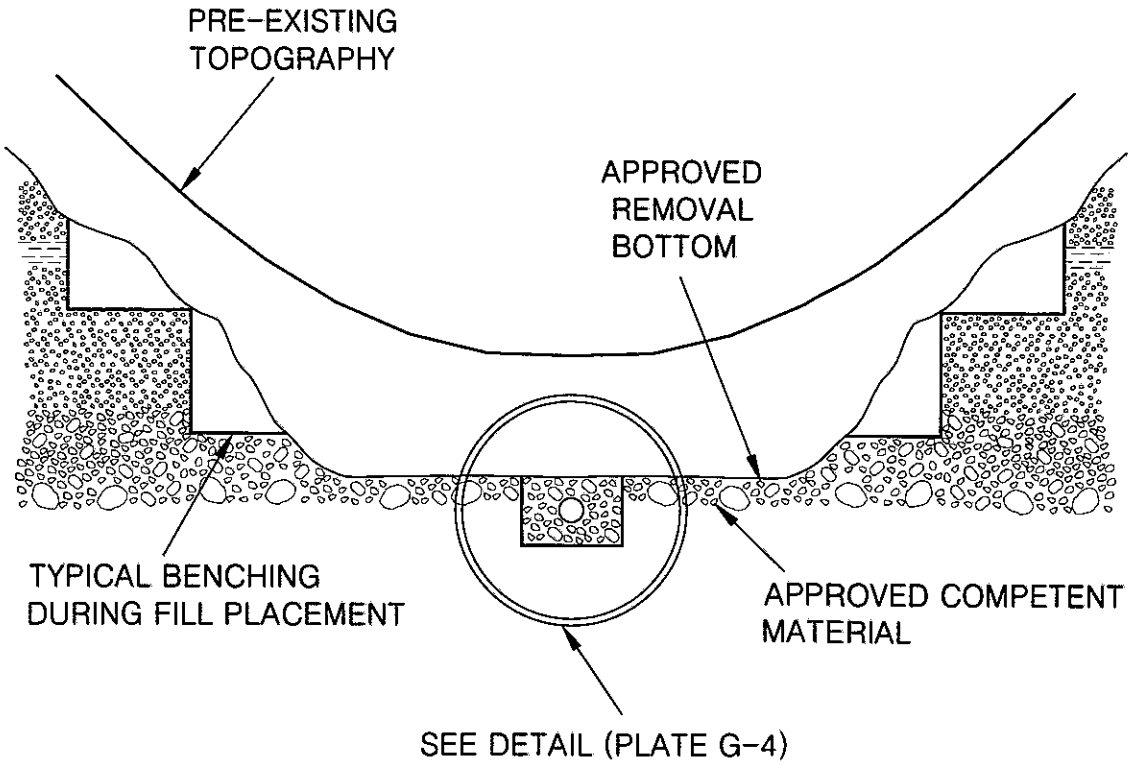
**AS PART OF TIE-IN FOR ADDITIONAL ENGINEERED FILL

ALTA CALIFORNIA GEOTECHNICAL, INC.
VER. 3/12

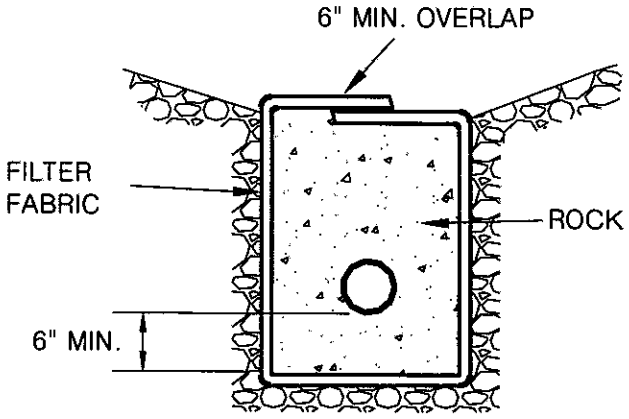
PLATE G-2

PATH: C:\Users\Jlnks\Desktop\Drafting\GRADING DETAILS\G-2.dwg

CANYON SUBDRAIN



CANYON SUBDRAIN DETAIL

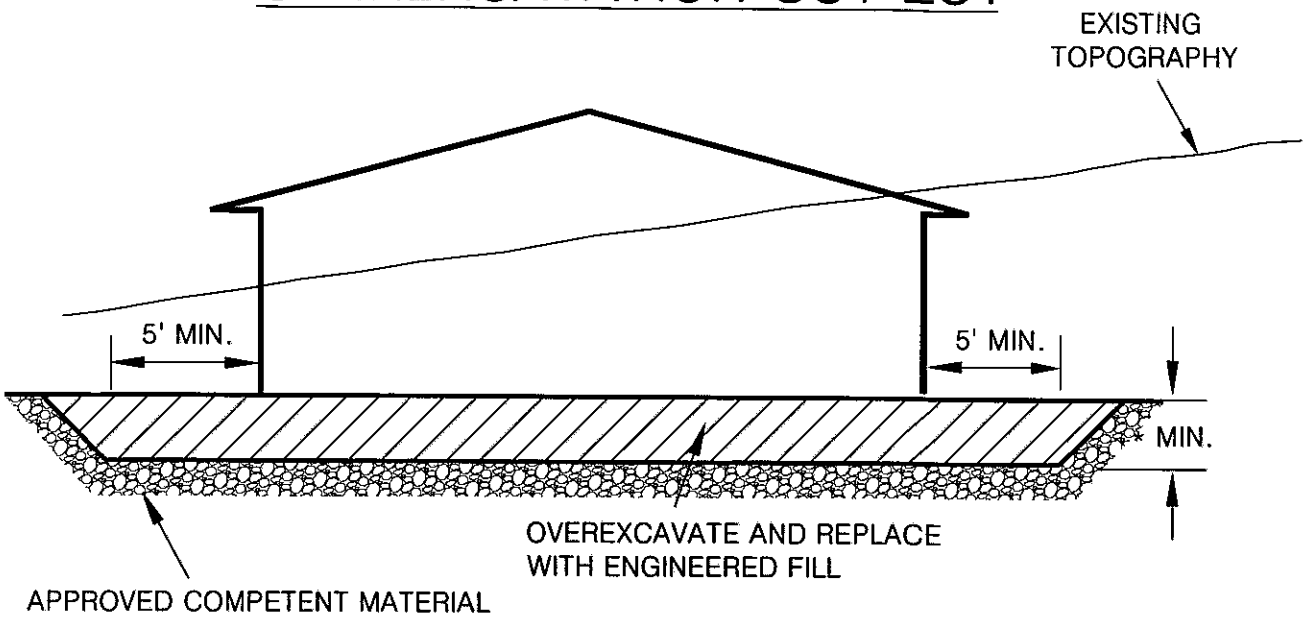


PERFORATED PIPE SURROUNDED WITH ROCK AND FILTER FABRIC

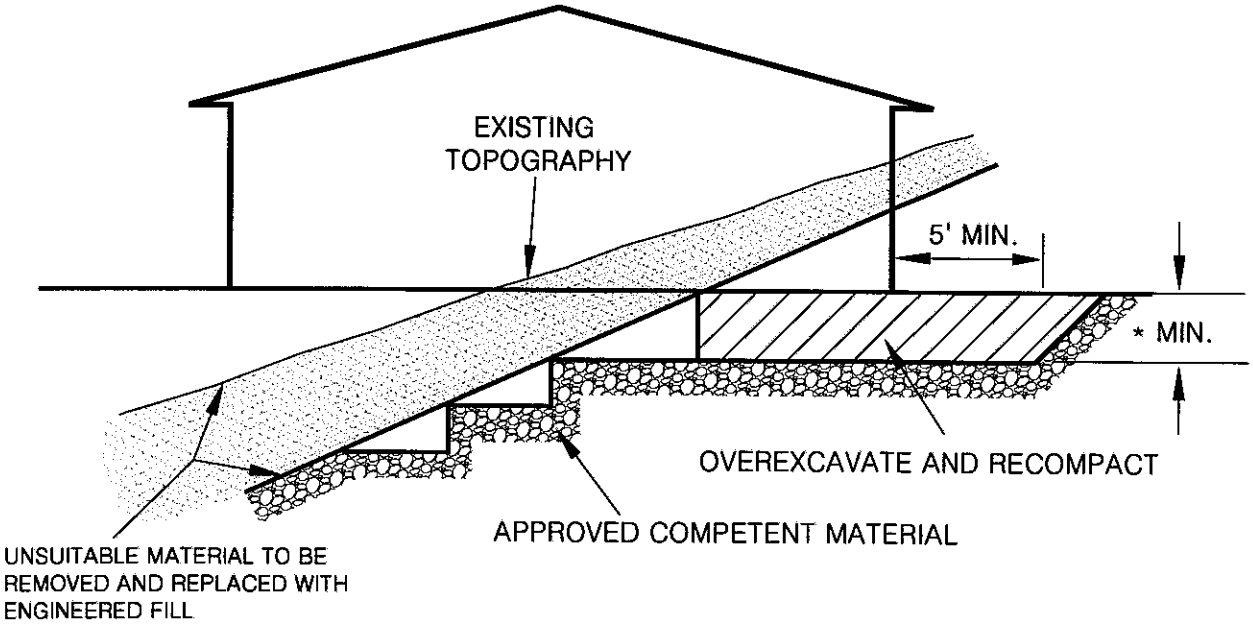
ROCK: MIN. VOLUME OF 9 CU.FT. PER LINEAR FT. OF 3/4 IN. MAX. ROCK
PIPE: 6 IN. ABS OR PVC PIPE WITH A MINIMUM OF 8 PERFORATIONS (1/4-IN. DIA.) PER LINEAL FT. IN BOTTOM HALF OF PIPE ASTM D2751, SDR 35, OR ASTM D3034 OR ASTM D1527, SCHD. 40 ASTM D1785, SCHD. 40
FILTER FABRIC: MIRAFI 140 FILTER FABRIC OR APPROVED EQUIVALENT

NOTES:
1. FOR CONTINUOUS RUN IN EXCESS OF 500. FT USE 8 IN. DIA. PIPE
2. ENGINEERED FILL PLACED BELOW DRAINS SHALL BE COMPACTED TO 93% OF THE LABORATORY MAXIMUM DRY DENSITY (ASTM:D1557)

OVEREXCAVATION CUT LOT



CUT-FILL LOT (TRANSITION)



*NOTE ALL BUILDING PADS SHALL BE OVER EXCAVATED TO A MINIMUM OF ⅓ OF THE MAXIMUM DEPTH OF FILL BELOW THE BUILDING PAD TO A MAXIMUM OF 17 FEET (SEE PLATE G-16)

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PLATE G-5

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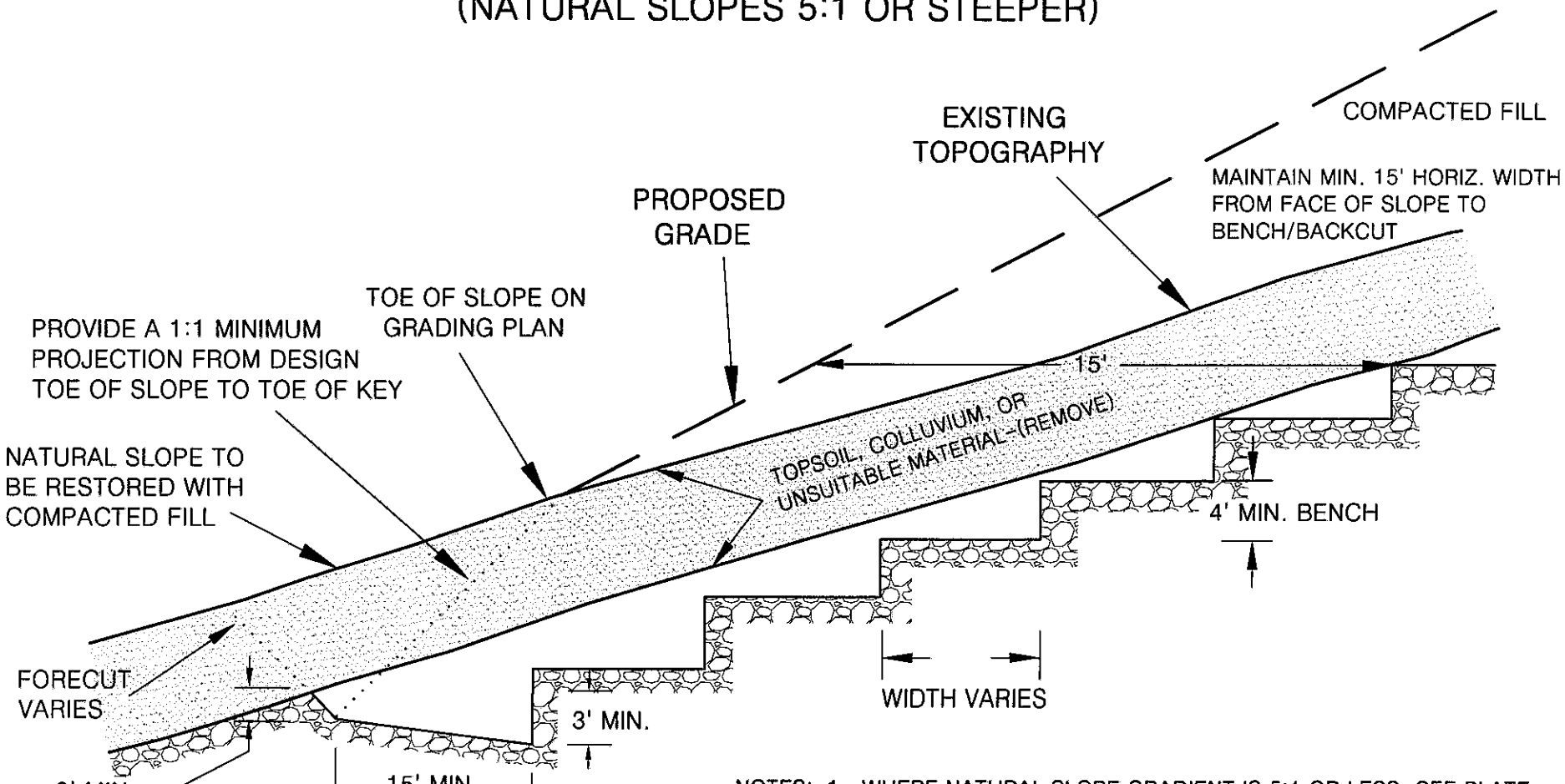
SIDE HILL SLOPE FILL DETAIL

(NATURAL SLOPES 5:1 OR STEEPER)



NOTES:

1. WHERE NATURAL SLOPE GRADIENT IS 5:1 OR LESS, SEE PLATE G-1. WHERE THE NATURAL SLOPE APPROACHES OR EXCEEDS THE DESIGN SLOPE RATIO, SPECIAL RECOMMENDATIONS WILL BE PROVIDED BY THE GEOTECHNICAL ENGINEER.
2. THE NEED FOR AND PLACEMENT OF DRAINS WILL BE DETERMINED BY THE GEOTECHNICAL ENGINEER OR GEOLOGIST BASED UPON EXPOSED FIELD CONDITIONS.

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PLATE G-6

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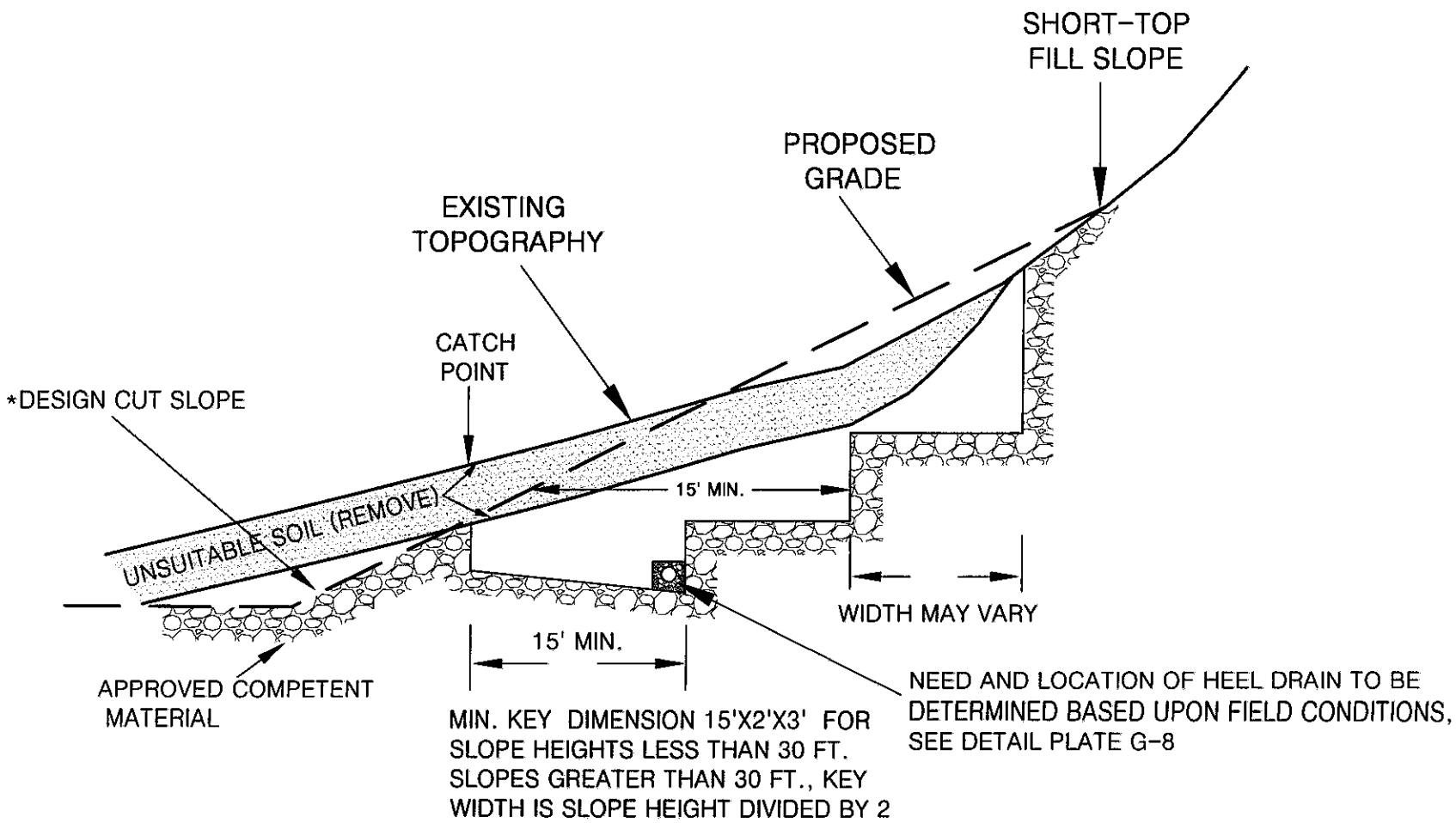
FILL OVER CUT SLOPE DETAIL



*THE CUT PORTION OF THE SLOPE SHOULD BE EXCAVATED AND EVALUATED BY THE ENGINEERING GEOLOGIST/GEOTECHNICAL ENGINEER PRIOR TO CONSTRUCTING THE FILL SLOPE

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PLATE G-7

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STABILIZATION/BUTTRESS FILL BACKDRAIN

NOTE:

1. ASTM D2751, SDR 35, OR ASTM D3034 OR ASTM D1527, SCHD. 40 ASTM D1785, SCHD. 40
2. SOLID PIPE OUTLETS TO BE PROVIDED EVERY 100 FT. AND JOINED TO PERFORATED BACKDRAIN PIPE WITH "L" OR "T"s. MIN. 2% GRADIENT.
3. GRAVEL TRENCH TO BE FILLED WITH 3/4 IN. MAXIMUM ROCK
4. THE NECESSITY FOR UPPER TIER BACKDRAINS SHALL BE DETERMINED IN THE FIELD BY THE GEOTECHNICAL ENGINEER OR GEOLOGIST. UPPER TIER OUTLETS SHOULD DRAIN INTO PAVED TERRACE DRAINS.
5. ENGINEERED FILL PLACED BELOW DRAINS SHALL BE COMPACTED TO 93% OF THE LABORATORY MAXIMUM DRY DENSITY (ASTM:D1557)

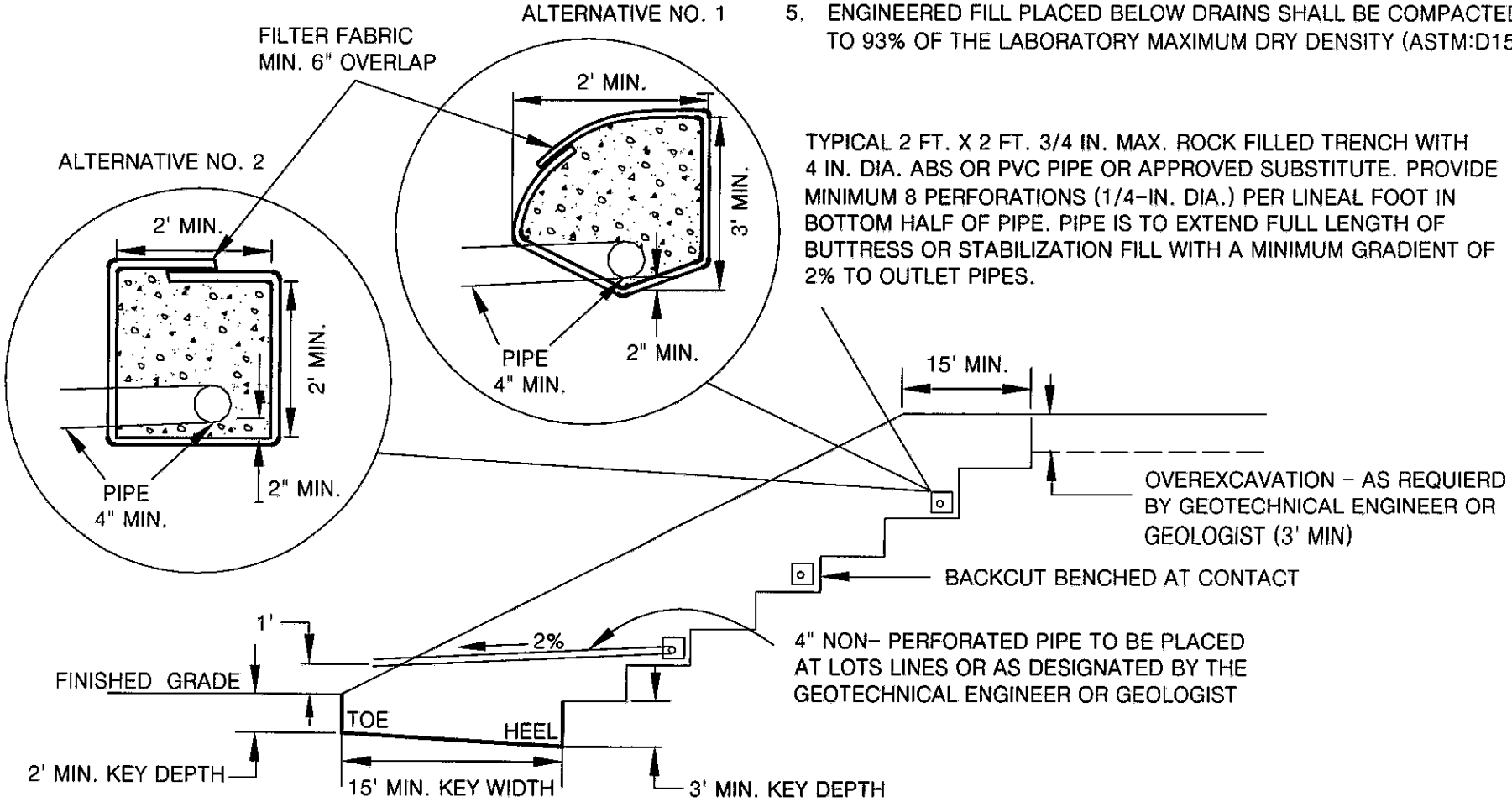

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PLATE G-8

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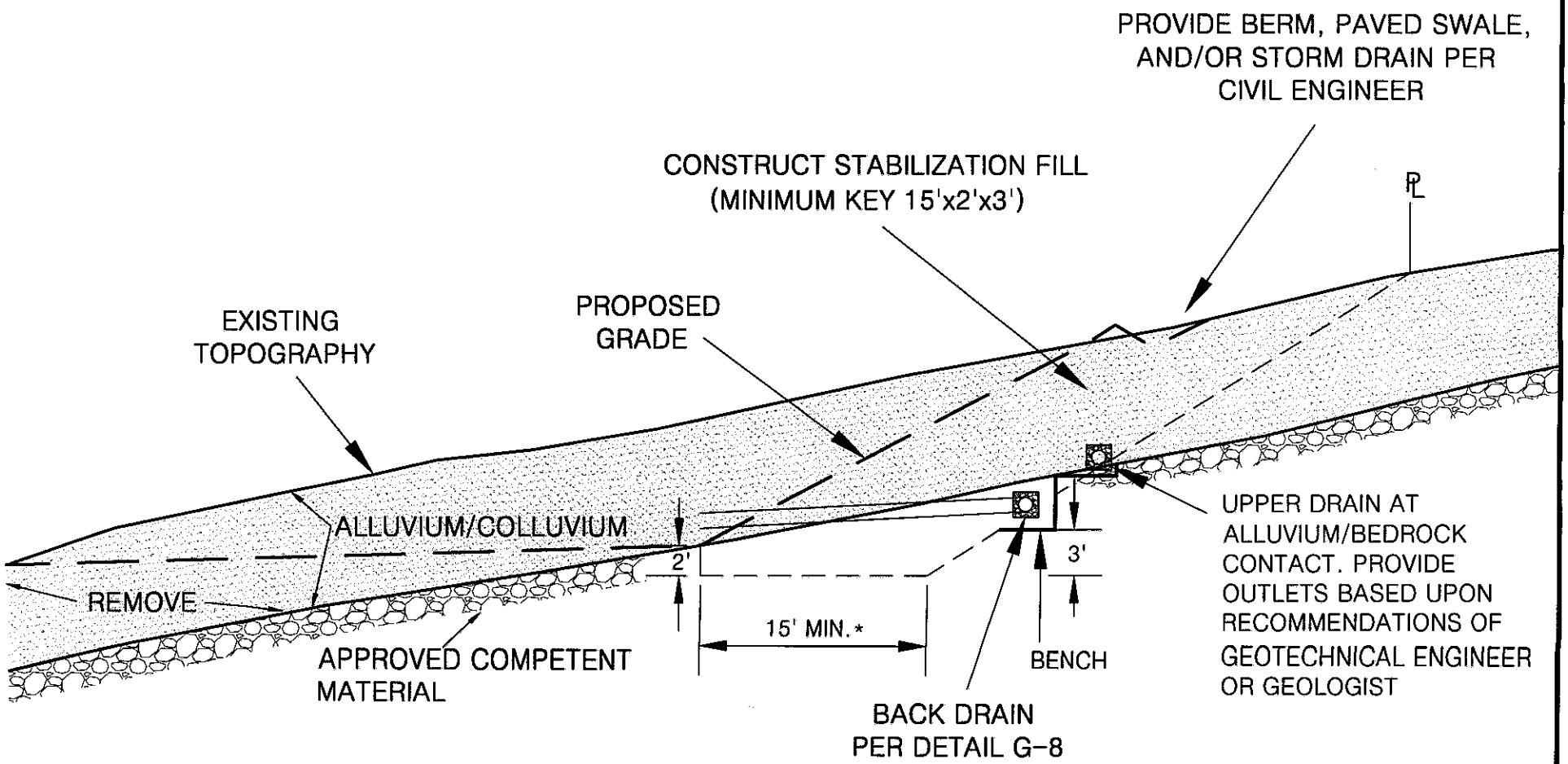
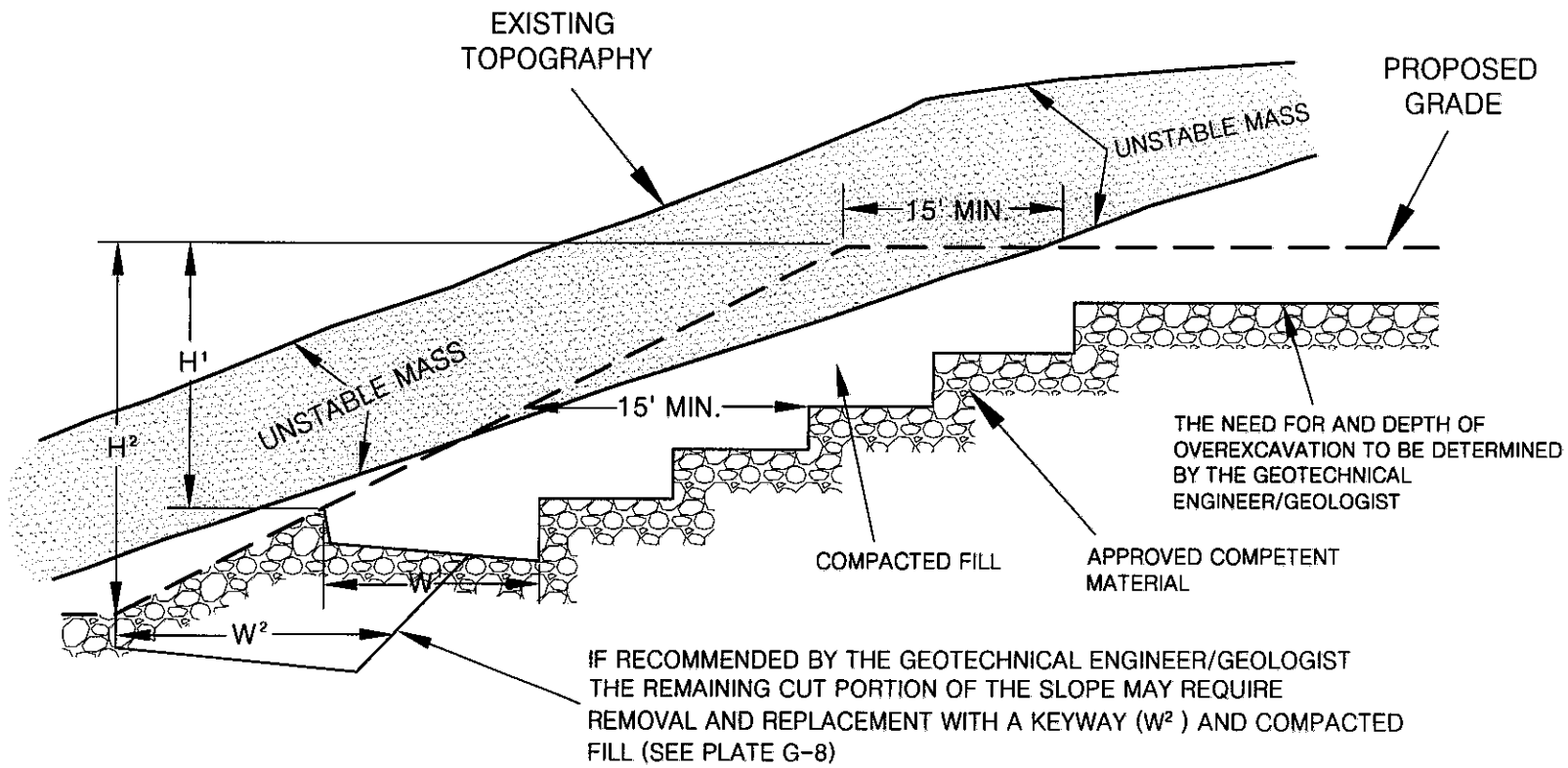
STABILIZATION FILL

(UPSLOPE ALLUVIATED AREA)



* FOR SLOPE HEIGHTS LESS THAN 30 FT. SLOPES GREATER THAN 30 FT., KEY WIDTH IS SLOPE HEIGHT DIVIDED BY 2

SELECTIVE GRADING DETAIL FOR STABILIZATION FILL
UNSTABLE MATERIAL EXPOSED IN PORTION OF CUT SLOPE



NOTES: 1. BACKDRAINS ARE NOT REQUIRED UNLESS SPECIFIED.

2. "W" SHALL BE EQUIPMENT WIDTH (15') FOR SLOPE HEIGHT LESS THAN 25 FEET. FOR SLOPES GREATER THAN 25 FEET, "W" SHALL BE DETERMINED BY THE PROJECT GEOTECHNICAL ENGINEER/GEOLOGIST. AT NO TIME SHALL "W" BE LESS THAN H/2.

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PLATE G-10

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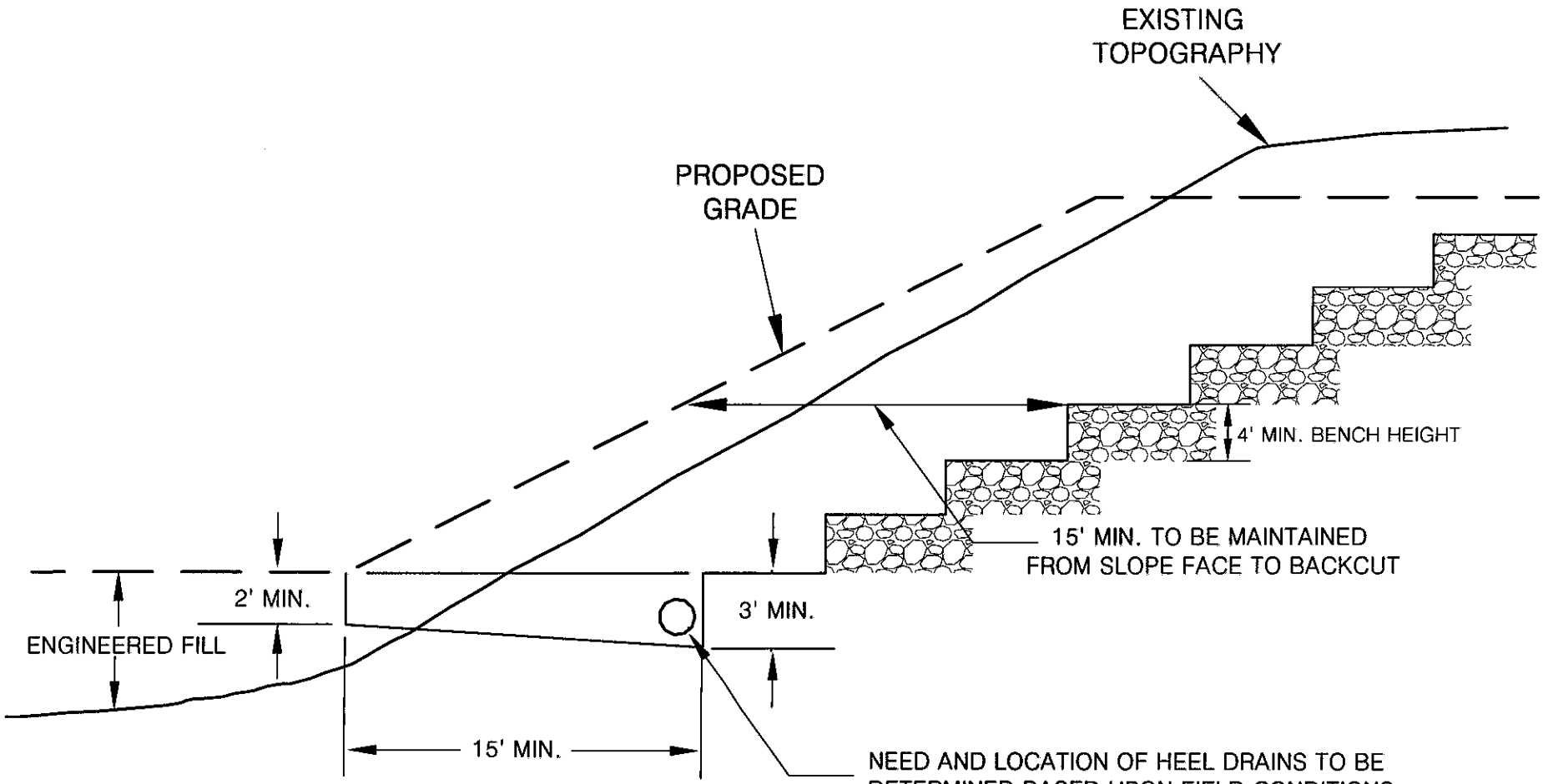
SKIN FILL SLOPE OVER NATURAL GROUND



MIN. KEY DIMENSIONS 15'X2'X3' FOR
SLOPE HEIGHTS LESS THAN 30 FT.
SLOPES GREATER THAN 30 FT., KEY
WIDTH IS SLOPE HEIGHT DIVIDED BY 2

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PLATE G-11

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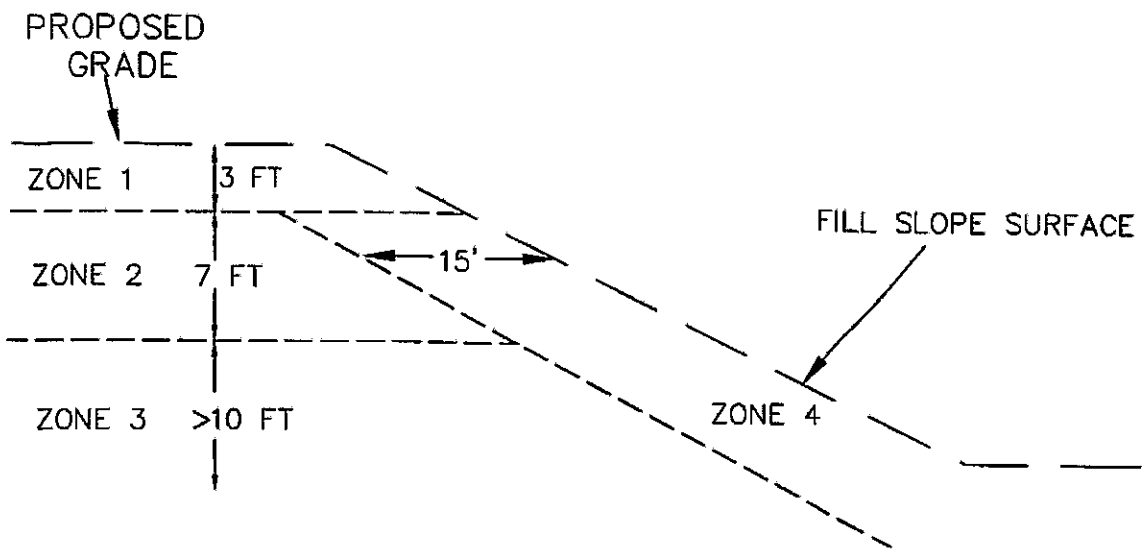
DETAIL FOR MAXIMUM PARTICLE DIMENSION



ZONE	DEPTH	PARTICLE MAX. DIMENSION	PLACEMENT METHOD
1	0-3 ft.	≤1.0 ft.	STANDARD OR CONVENTIONAL COMPACTION METHODS (SEE EARTHWORK SPECIFICATIONS)
2	3-10 ft.	≤2.0 ft.	ROCK BLANKETS (SEE PLATE G-13)
3	>10 ft.	≤8.0 ft.	ROCK BLANKETS (PLATE G-13) ROCK WINDROW (PLATE G-14) INDIVIDUAL ROCK BURIED (PLATE G-15)
4	15 HORIZONTAL FEET FROM FILL SLOPE FACE	≤1.0 ft.	STANDARD OR CONVENTIONAL COMPACTION METHODS (SEE EARTHWORK SPECIFICATIONS)

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PLATE G-12

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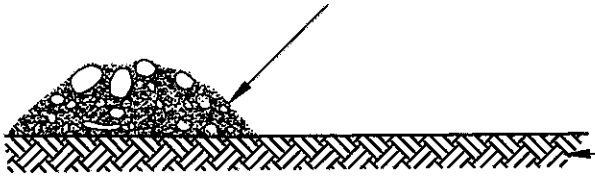
ROCK BLANKET DETAILS

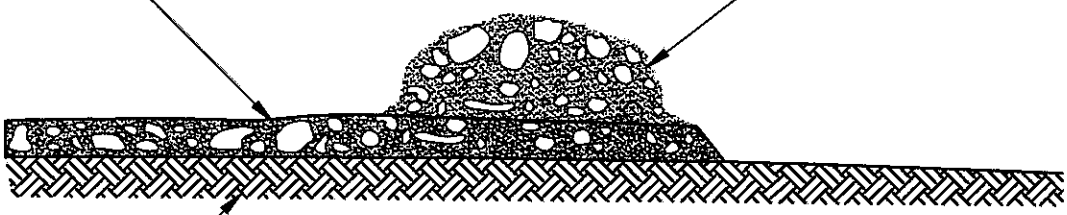
LOOSE PILE 1
LOOSE, DUMPED ROCK, GRAVEL AND SAND MIXTURE REMOVE FRAGMENTS LARGER THAT 2 FEET FOR ISOLATED BURIAL (PLATE G-15) OR WINDROW (PLATE G-10)



APPROVED BOTTOM, OR TOP OF PREVIOUSLY APPROVED BLANKET FILL

COMPACT PILE 1
SPREAD LOOSE PILE FORWARD WITH HEAVY TRACKED DOZER (D-8 OR LARGER). HEAVILY WATER, TRACK, AND APPLY ADDITIONAL SAND AND GRAVEL AS NECESSARY TO FILL VOIDS AND CREATE A DENSE MATRIX OF ROCK, COBBLES, GRAVEL AND SAND (2 FOOT MAXIMUM THICKNESS)

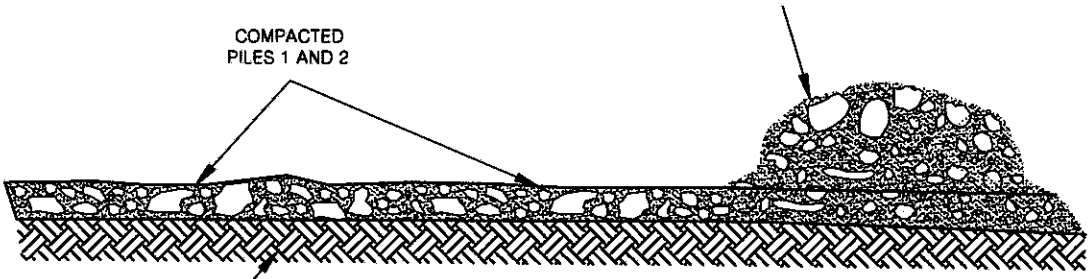
LOOSE PILE 2
DUMP SUCCESSIVE PILES OF LOOSE ROCK, GRAVEL AND SAND MIXTURE ON FORWARD EDGE OF PREVIOUSLY COMPACTED LIFT WITH TRUCKS AND/OR SCRAPERS. USE PREVIOUS LIFT TO ACCESS AND FURTHER COMPACT PILE 1.



APPROVED BOTTOM, OR TOP OF PREVIOUSLY APPROVED BLANKET FILL

LOOSE PILE 3
DUMP SUCCESSIVE PILES OF LOOSE ROCK, GRAVEL AND SAND MIXTURE ON FORWARD EDGE OF PREVIOUSLY COMPACTED LIFT WITH TRUCKS AND/OR SCRAPERS. USE PREVIOUS LIFT TO ACCESS AND FURTHER COMPACT EXISTING BLANKET.

COMPACTED PILES 1 AND 2

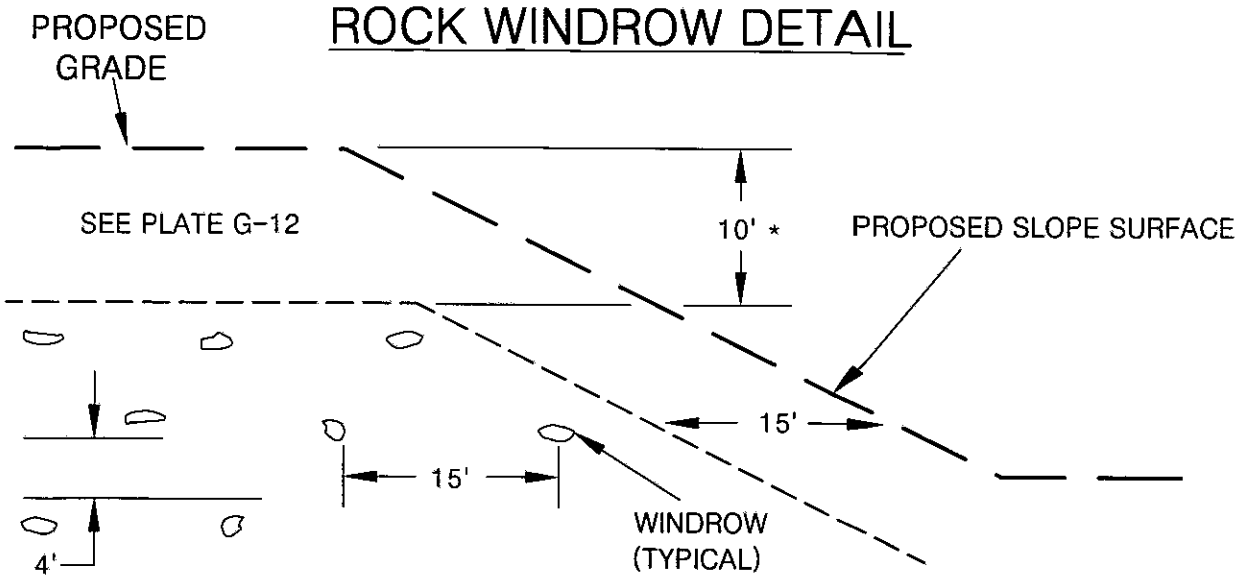


APPROVED BOTTOM, OR TOP OF PREVIOUSLY APPROVED BLANKET FILL

OBSERVATION TESTING AND APPROVAL PROCEDURES

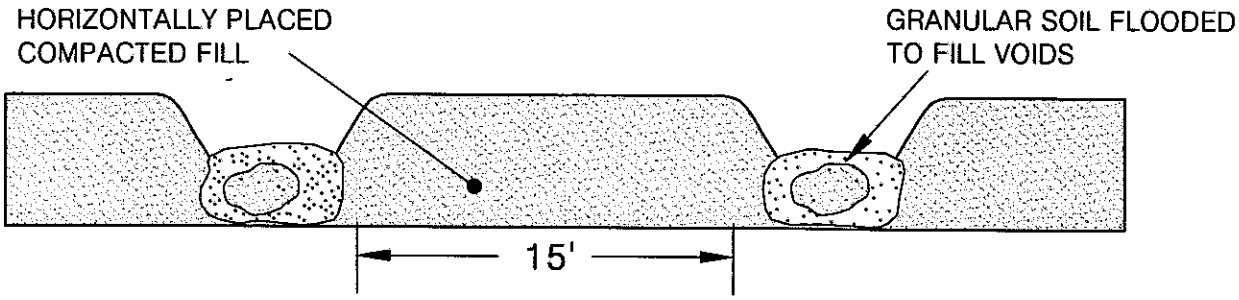
OBSERVE EQUIPMENT. SCRAPERS AND TRUCKS SHOULD BE FULLY SUPPORTED ON BLANKET WITHOUT SIGNIFICANT YIELDING. EXCAVATE TEST/OBSERVATION PITS TO CONFIRM EXISTENCE OF MIXTURE OF VARIOUS PARTICLE SIZES, WITHOUT SIGNIFICANT VOIDS, AND FORMING A DENSE, COMPACTED FILL MATRIX. TEST BY ASTM D1556, D2922 AND/OR D3017 WHEN APPROPRIATE. RECORD LIMITS AND ELEVATION OF BLANKET. ALL FILL AND COMPACTION OPERATIONS TO BE CONDUCTED UNDER THE OBSERVATION OF THE GEOTECHNICAL ENGINEER. SUBSEQUENT LIFTS TO BE APPLIED ONLY AFTER OBSERVATION AND CONFIRMATION OF SUITABILITY OF FILL AND RELEASE BY THE GEOTECHNICAL ENGINEER. BLANKETS TO BE CONSTRUCTED IN ACCORDANCE WITH PLATE G-12.

ROCK WINDROW DETAIL



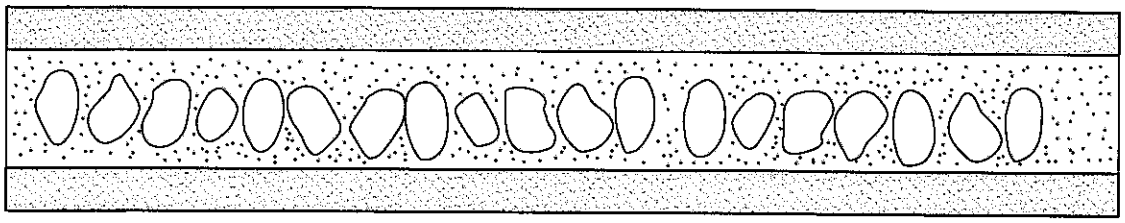
NOTE: OVERSIZED MATERIAL SHOULD BE REMOVED FROM THE 15' CLEAR ZONES WITH SPECIAL EQUIPMENT, SUCH AS A ROCK RAKE, PRIOR TO PLACING THE NEXT FILL LIFT.
*VARIANCES TO THE ABOVE ROCK HOLD DOWN MAY BE GRANTED SUBJECT TO APPROVAL BY THE OWNER, GEOTECHNICAL ENGINEER, AND GOVERNING AGENCY

TYPICAL WINDROW DETAIL (END VIEW)

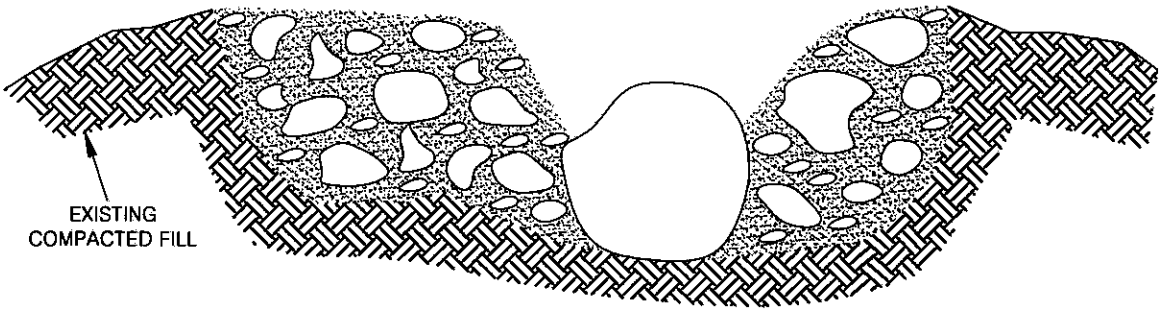


NOTE: COMPACTED FILL SHALL BE BROUGHT UP TO A HIGHER ELEVATION ALONG EACH WINDROW SO GRANULAR SOIL CAN BE FLOODED IN A "TRENCH CONDITION".

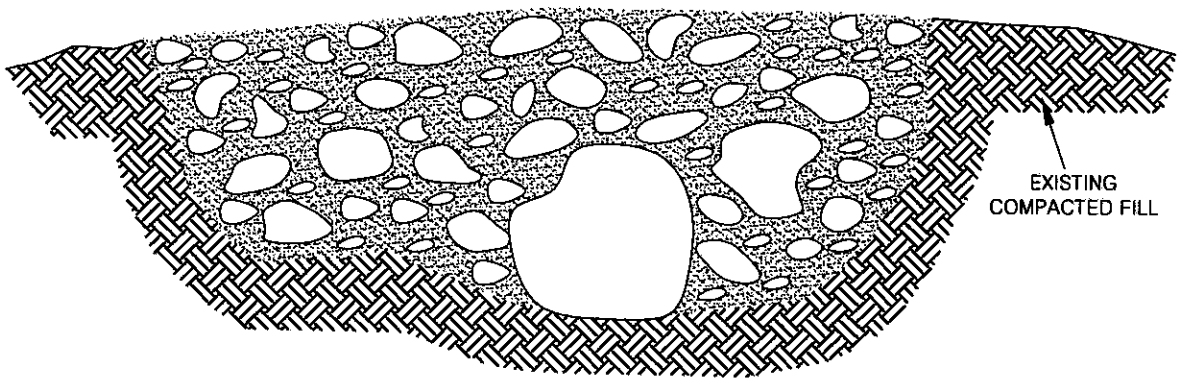
PROFILE VIEW



ISOLATED ROCK BURIAL DETAILS

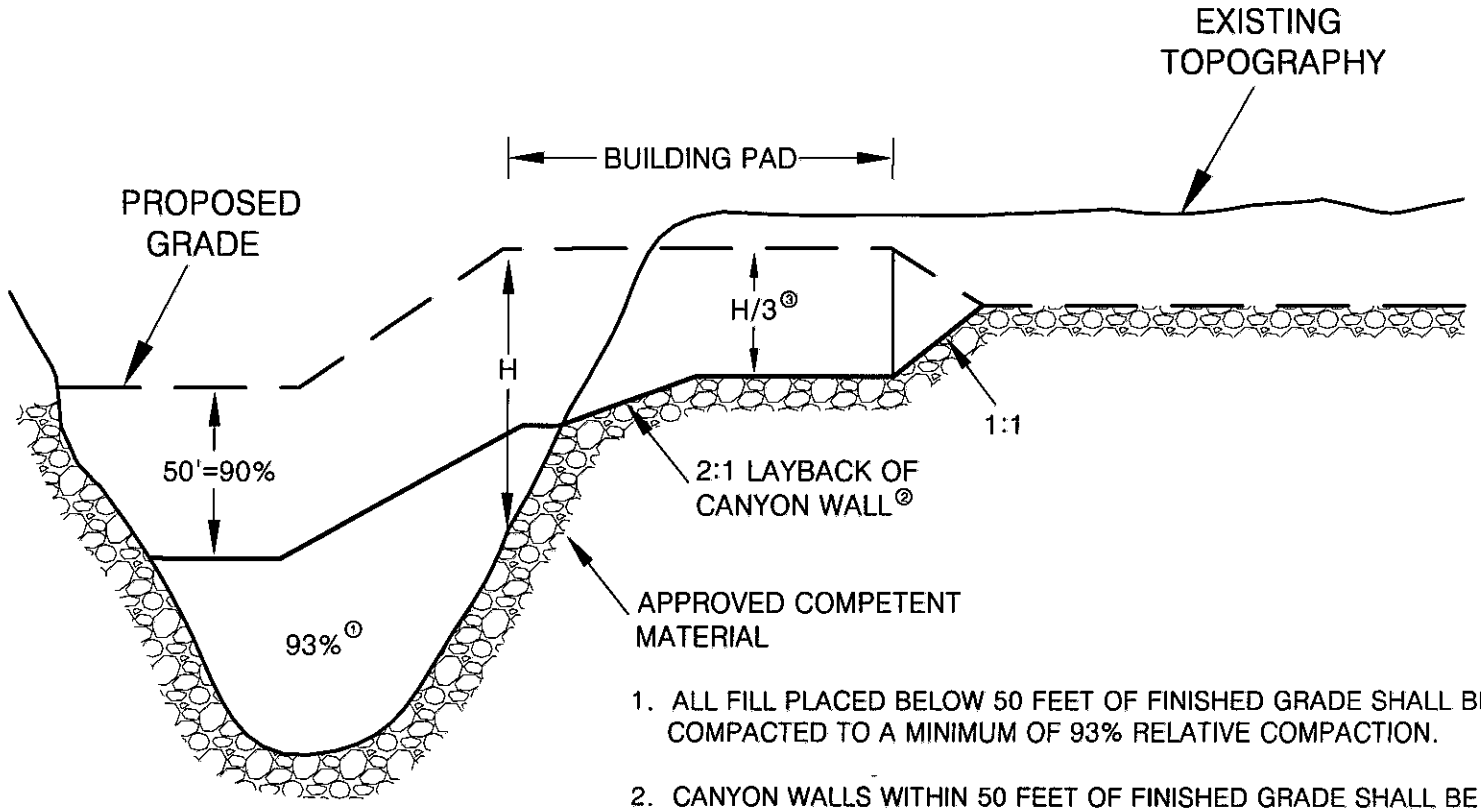


EXCAVATE HOLE INTO EXISTING FILL PRISM, PLACE BOULDER (< 8 feet in maximum dimension) INTO EXISTING COMPACTED FILL. SURROUND WITH SAND, GRAVEL, COBBLES AND WATER HEAVILY. TRACK WITH D8 OR LARGER EQUIPMENT UNTIL RESULTING FILL FULLY SUPPORTS EQUIPMENT. OBSERVE AND/OR TEST IN ACCORDANCE WITH ASTM D1556, D2922 OR D3017. ROCKS LARGER THAN 8 FEET SHALL BE FURTHER REDUCED IN SIZE BY SECONDARY BREAKING.



RELATIVE COMPACTION VS. DEPTH

CANYON WALL LAY BACK
DIFFERENTIAL FILL OVEREXCAVATION DETAILS



1. ALL FILL PLACED BELOW 50 FEET OF FINISHED GRADE SHALL BE COMPACTED TO A MINIMUM OF 93% RELATIVE COMPACTION.

2. CANYON WALLS WITHIN 50 FEET OF FINISHED GRADE SHALL BE LAID BACK TO A SLOPE RATIO OF 2:1 OR FLATTER.

3. ALL BUILDING PADS SHALL BE OVER EXCAVATED TO A MINIMUM OF 1/3 OF THE MAXIMUM DEPTH OF FILL BELOW THE BUILDING PAD TO A MAXIMUM OF 17 FEET.

4. IF THE 2:1 LAY BACK OF THE CANYON WALL IS IMPRACTICAL, THEN AS AN ALTERNATIVE THE INCREASED COMPACTION STANDARDS IN NOTE 1 SHOULD BE EXTENDED UP TO H/3 AND THE LAY BACK WILL NOT BE REQUIRED.

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PLATE G-16

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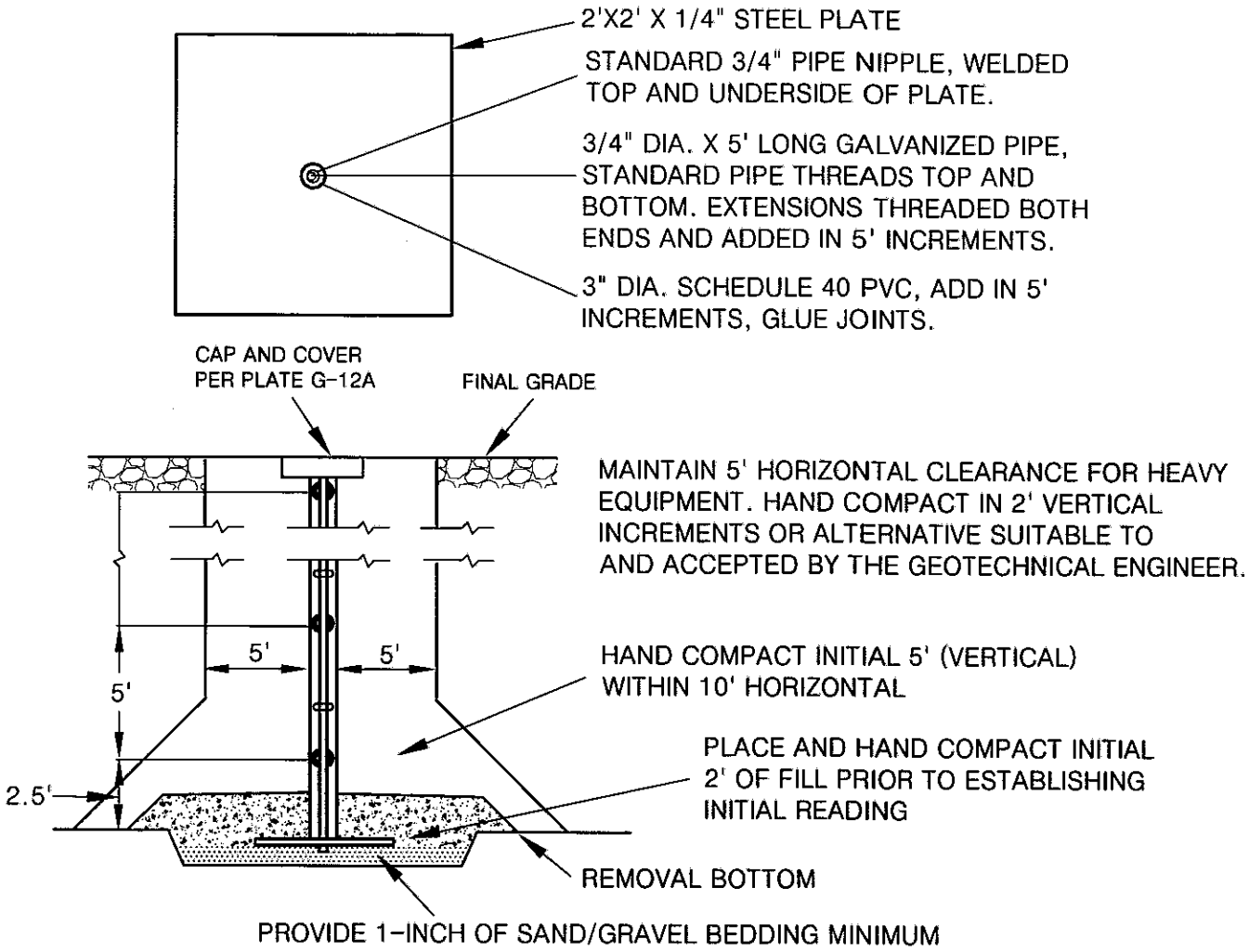
SETTLEMENT PLATE DETAIL



NOTES:

1) LOCATIONS OF SETTLEMENT PLATES SHALL BE CLEARLY MARKED AND READILY VISIBLE (RED FLAGGED) TO EQUIPMENT OPERATORS.

2) CONTRACTOR SHALL MAINTAIN 10' HORIZONTAL CLEARANCE FOR HEAVY EQUIPMENT WITHIN 5' (VERTICAL) OF PLATE BASE. FILL WITHIN CLEARANCE AREA SHALL BE HAND COMPACTED TO PROJECT SPECIFICATIONS OR COMPACTED BY ALTERNATIVE APPROVED BY THE GEOTECHNICAL ENGINEER.

3) AFTER 5' (VERTICAL) OF FILL IS IN PLACE, CONTRACTOR SHALL MAINTAIN 5' HORIZONTAL EQUIPMENT CLEARANCE. FILL IN CLEARANCE AREA SHALL BE HAND COMPACTED (OR APPROVED ALTERNATIVE) IN VERTICAL INCREMENTS NOT TO EXCEED 2 FEET.

4) IN THE EVENT OF DAMAGE TO SETTLEMENT PLATE OR EXTENSION RESULTING FROM EQUIPMENT OPERATING WITHIN PRESCRIBED CLEARANCE AREA, CONTRACTOR SHALL IMMEDIATELY NOTIFY GEOTECHNICAL ENGINEER AND SHALL BE RESPONSIBLE FOR RESTORING THE SETTLEMENT PLATE AND EXTENSION RODS TO WORKING ORDER.

SURFACE SETTLEMENT MONUMENT DETAIL

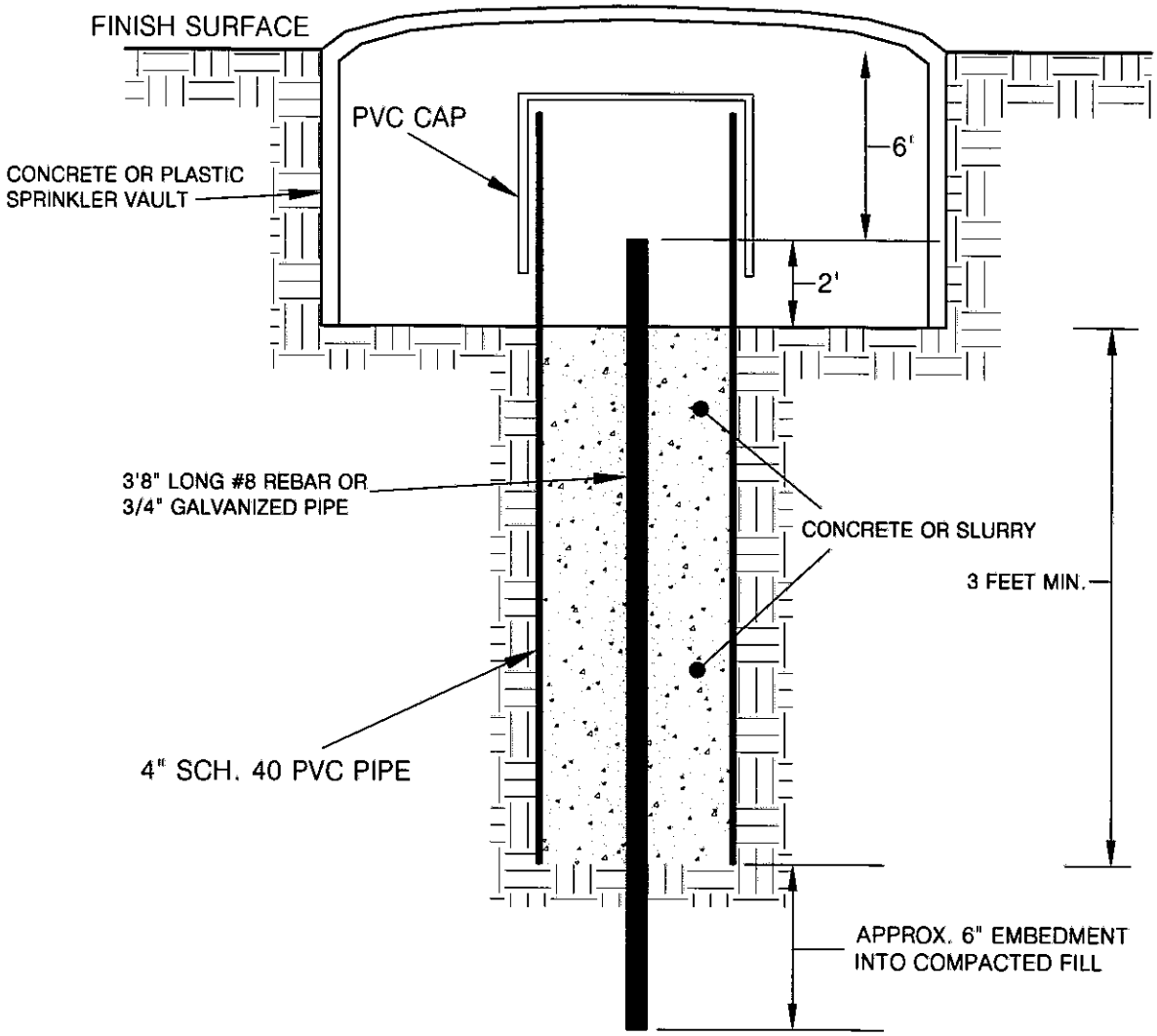


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PLATE G-18

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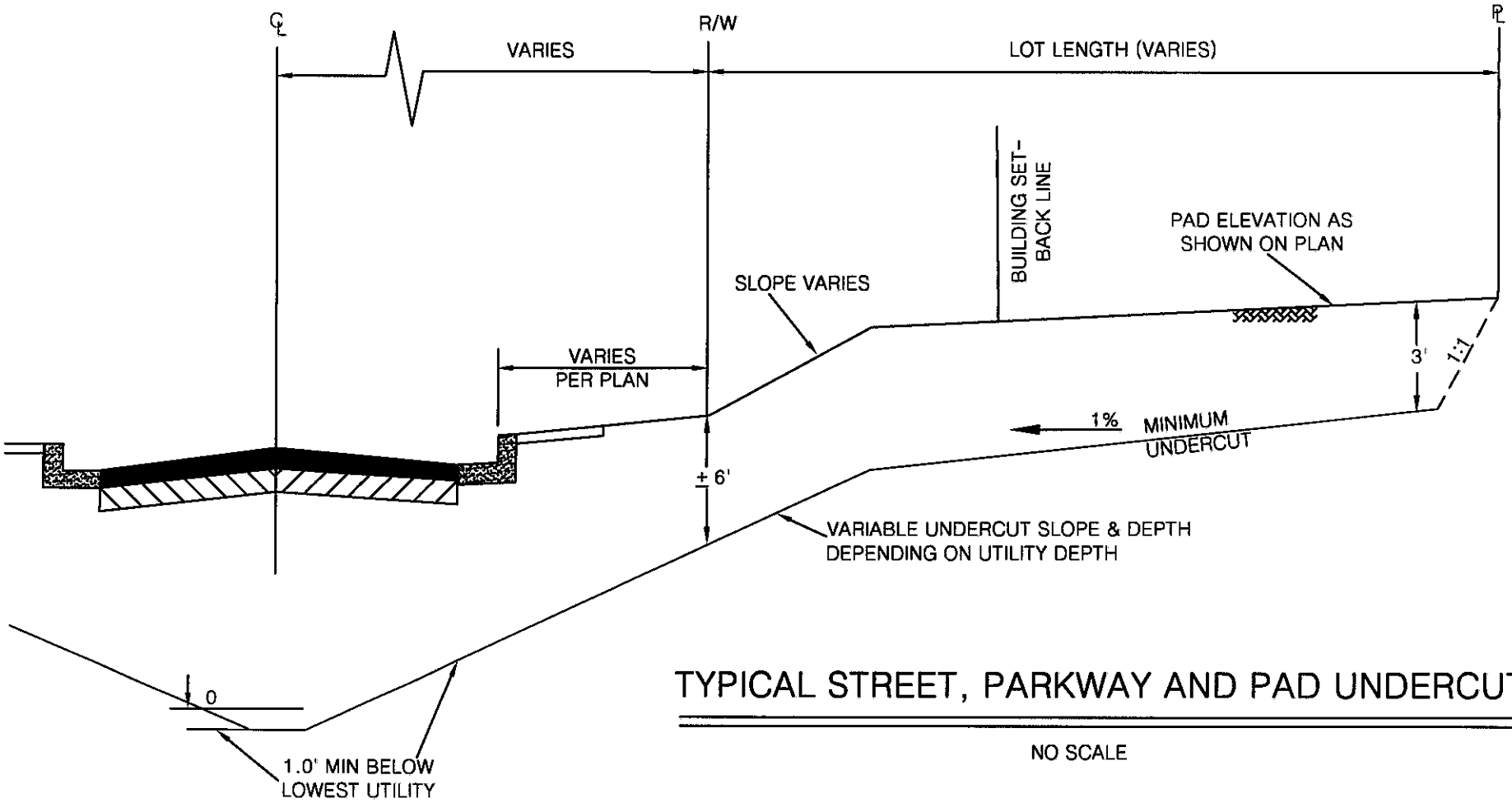

TYPICAL STREET, PARKWAY AND PAD UNDERCUT

NO SCALE

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PLATE G-19

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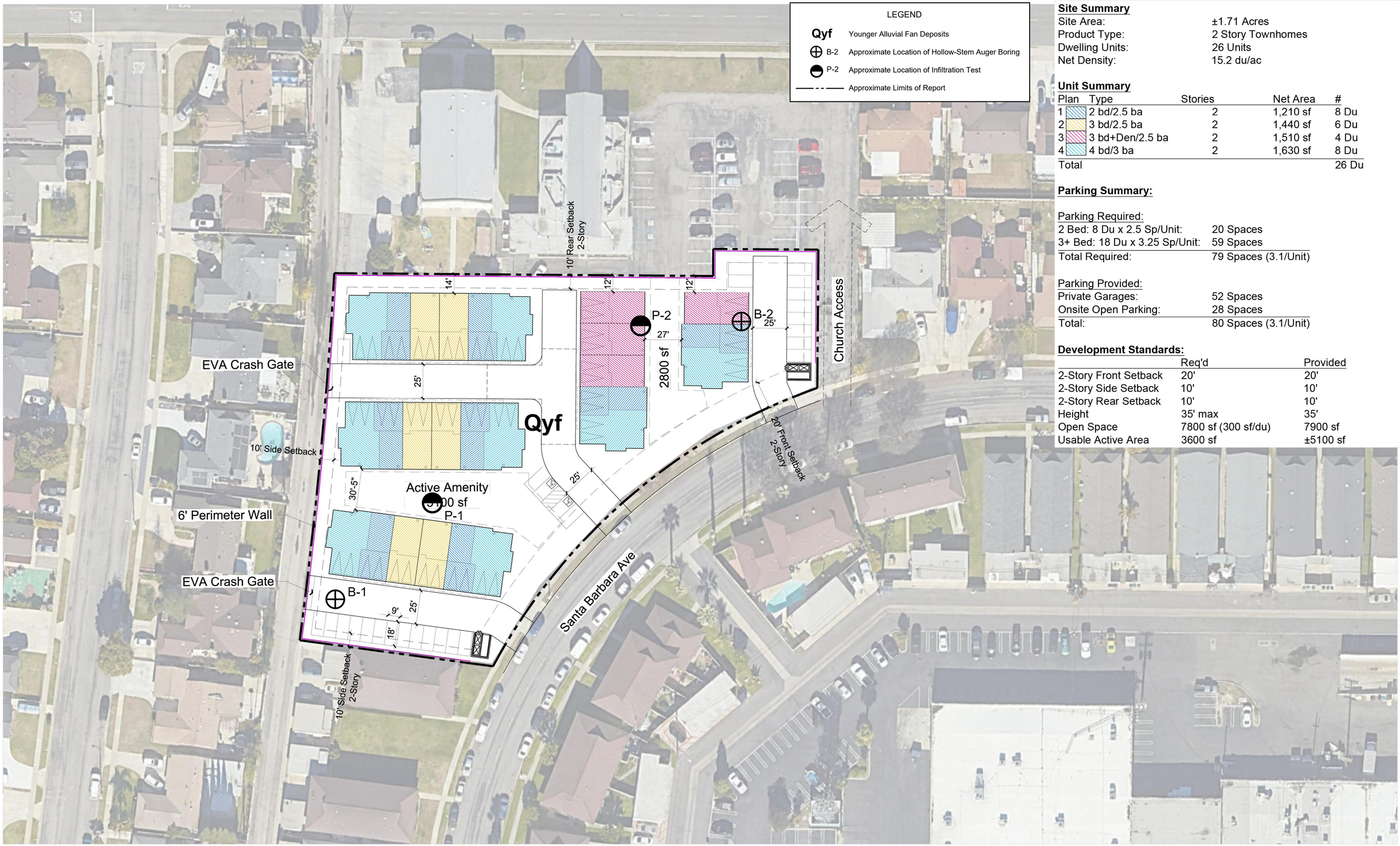

Site Summary

Site Area:	±1.71 Acres
Product Type:	2 Story Townhomes
Dwelling Units:	26 Units
Net Density:	15.2 du/ac

Unit Summary

Plan	Type	Stories	Net Area	#
1	2 bd/2.5 ba	2	1,210 sf	8 Du
2	3 bd/2.5 ba	2	1,440 sf	6 Du
3	3 bd+Den/2.5 ba	2	1,510 sf	4 Du
4	4 bd/3 ba	2	1,630 sf	8 Du
Total				26 Du

Parking Summary:

Parking Required:

2 Bed: 8 Du x 2.5 Sp/Unit:	20 Spaces
3+ Bed: 18 Du x 3.25 Sp/Unit:	59 Spaces
Total Required:	79 Spaces (3.1/Unit)

Parking Provided:

Private Garages:	52 Spaces
Onsite Open Parking:	28 Spaces
Total:	80 Spaces (3.1/Unit)

Development Standards:

	Req'd	Provided
2-Story Front Setback	20'	20'
2-Story Side Setback	10'	10'
2-Story Rear Setback	10'	10'
Height	35' max	35'
Open Space	7800 sf (300 sf/du)	7900 sf
Usable Active Area	3600 sf	±5100 sf

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BRANDYWINE HOMES

SANTA BARBARA TOWNHOMES
GARDEN GROVE, CA #2023-0821

CONCEPT DESIGN
DECEMBER 1, 2023

PLATE 1

0 15 30 60

ALTA CALIFORNIA GEOTECHNICAL, INC.
170 N. MAPLE STREET, STE 108, CORONA, CA 92880
TELEPHONE: (951) 509-7090
PROJECT NUMBER: 1-0506 DATE: Jan. 5, 2024

SITE PLAN
Alt 2

A1.1

Appendix D

Phase I Environmental Site Assessment and Phase II Environmental Site Assessment – 5802 Santa Catalina Avenue, Garden Grove, California 92845

Stantec

February 22, 2023

Approximately 1.73 acres of land associated 5802 Santa Catalina Avenue, Garden Grove, California 92845

Phase I and II Environmental Site Assessment

February 21, 2024

Prepared for:

Brandywine Homes
16580 Aston
Irvine, California 92606

Prepared by:

Stantec Consulting Services Inc.
735 East Carnegie Drive, Suite 280
San Bernardino, California 92408

Project No.: 185806348

Sign-off Sheet and Signatures of Environmental Professionals

This document entitled Phase I and II Environmental Site Assessment (Report) was prepared by Stantec Consulting Services Inc. ("Stantec") for the account of Brandywine Homes (the "Client"). The conclusions in the Report are Stantec's professional opinion, as of the time of the Report, and concerning the scope described in the Report. The opinions in the document are based on conditions and information existing at the time the scope of work was conducted and do not take into account any subsequent changes. The Report relates solely to the specific project for which Stantec was retained and the stated purpose for which the Report was prepared. The Report is not to be used or relied on for any variation or extension of the project, or for any other project or purpose, and any unauthorized use or reliance is at the recipient's own risk.

Stantec has assumed all information received from the "Client" and third parties in the preparation of the Report to be correct. While Stantec has exercised a customary level of judgment or due diligence in the use of such information, Stantec assumes no responsibility for the consequences of any error or omission contained therein.

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I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in § 312.10 of Title 40 of the Code of Federal Regulations, Part 312, (40 CFR 312). I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the property. I have developed and performed all the appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Author: _____

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Associate Scientist

Quality Reviewer: _____

Alicia Jansen
Senior Scientist

Independent Reviewer: _____

Kyle D. Emerson, C.E.G.
Managing Principal

Table of Contents

ABBREVIATIONS III

1.0 EXECUTIVE SUMMARY 1.1

2.0 INTRODUCTION 2.1
2.1 SUBJECT PROPERTY DESCRIPTION 2.2
2.2 SPECIAL TERMS, CONDITIONS, AND ADDITIONAL ASSUMPTIONS 2.3
2.3 EXCEPTIONS AND LIMITING CONDITIONS 2.3
2.4 PERSONNEL QUALIFICATIONS 2.4

3.0 USER-PROVIDED INFORMATION 3.1

4.0 RECORDS REVIEW 4.1
4.1 PHYSICAL SETTING 4.1
4.1.1 Subject Property Topography and Surface Water Flow 4.2
4.1.2 Regional and Subject Property Geology 4.2
4.1.3 Regional and Subject Property Hydrogeology 4.2
4.2 FEDERAL, STATE AND TRIBAL ENVIRONMENTAL RECORDS 4.2
4.2.1 Listings for Subject Property 4.3
4.2.2 Listings for Adjoining and Nearby Sites with Potential to Impact Subject Property 4.3
4.3 LOCAL/REGIONAL ENVIRONMENTAL RECORDS 4.4
4.3.1 Orange County Health Care Agency 4.4
4.3.2 Fire Department 4.4
4.3.3 City and County Department Records 4.5
4.3.4 State Department Records 4.5
4.4 HISTORICAL RECORDS REVIEW 4.6
4.4.1 Land Title Records/Deeds 4.6
4.4.2 Aerial Photographs 4.6
4.4.3 City Directories 4.7
4.4.4 Historical Fire Insurance Maps 4.7
4.4.5 Historical Topographic Maps 4.7
4.4.6 Other Historical Sources 4.8

5.0 SITE RECONNAISSANCE 5.1
5.1 SITE RECONNAISSANCE METHODOLOGY 5.1
5.2 GENERAL DESCRIPTION 5.1
5.3 HAZARDOUS SUBSTANCES AND PETROLEUM PRODUCTS 5.2
5.4 INTERIOR OBSERVATIONS 5.2
5.5 EXTERIOR OBSERVATIONS 5.2
5.6 UNDERGROUND STORAGE TANKS/STRUCTURES 5.3
5.7 ABOVEGROUND STORAGE TANKS 5.3
5.8 ADJOINING PROPERTIES 5.4
5.8.1 Current Uses of Adjoining Properties 5.4
5.8.2 Observed Evidence of Past Uses of Adjoining Properties 5.4
5.8.3 Pits, Ponds, or Lagoons on Adjoining Properties 5.4

5.9 OBSERVED PHYSICAL SETTING....5.4

6.0 PHASE II ENVIRONMENTAL ASSESSMENT....6.1
6.1 PRE-DRILLING ACTIVITIES....6.1
6.2 INVESTIGATION....6.1
6.3 LABORATORY TESTING PROGRAM....6.2
6.4 INVESTIGATION RESULTS....6.2
6.4.1 FIELD OBSERVATIONS....6.2
6.4.1 Soil Analytical Results....6.2
6.4.2 Petromat Observations....6.2
6.5 PHASE II ESA CONCLUSIONS AND RECOMMENDTAIONS....6.2

7.0 EVALUATION....7.1
7.1 FINDINGS AND OPINIONS....7.1
7.2 DATA GAPS....7.2
7.3 CONCLUSIONS....7.2

8.0 NON-SCOPE CONSIDERATIONS....8.1
8.1 LEAD-BASED PAINT....8.1
8.2 ASBESTOS....8.1
8.3 RADON....8.2
8.4 FLOOD ZONES....8.2

9.0 REFERENCES....9.1

LIST OF FIGURES

FIGURE 1 Subject Property and Vicinity Map
FIGURE 2 Subject Property Map

LIST OF APPENDICES

APPENDIX A PHOTOGRAPHS OF THE PROPERTY AND VICINITY....A

APPENDIX B STANTEC RESUMES....B

APPENDIX C USER PROVIDED RECORDS....C

APPENDIX D ENVIRONMENTAL AGENCY DATABASE SEARCH REPORT....D

APPENDIX E HISTORICAL RECORDS....E

APPENDIX F AGENCY RECORDS....F

APPENDIX G LABORATORY ANALYTICAL REPORTS....G

Abbreviations

AAI	All Appropriate Inquiries
AP	Alquist-Priolo
APN	Assessor's Parcel Number
AST	Aboveground Storage Tank
ASTM	ASTM International
AUL	Activity Use Limitation
BER	Business Environmental Risk
Bgs	Below Ground Surface
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulation
CREC	Controlled Recognized Environmental Conditions
EP	Environmental Professional
EPA	Environmental Protection Agency
ESA	Environmental Site Assessment
DTSC	Department of Toxic Substances Control
ft amsl	Feet above mean sea level
HREC	Historical Recognized Environmental Conditions
LUST	Leaking Underground Storage Tank
PCBs	Polychlorinated Biphenyls
RCRA	Resource Conservation and Recovery Act
REC	Recognized Environmental Conditions
SVOC	Semi-Volatile Organic Compounds
USGS	United States Geological Survey
UST	Underground Storage Tank
VEC	Vapor Encroachment Condition
VES	Vapor Encroachment Screen
VOCs	Volatile Organic Compounds

1.0 EXECUTIVE SUMMARY

Stantec Consulting Services Inc. (Stantec) has completed a Phase I Environmental Site Assessment (ESA) report of the approximately 1.73 acres of land located at 5802 Santa Catalina Avenue in the city of Garden Grove, Orange County, California (the "Subject Property"), on behalf of Brandywine Homes (the "Client"). The work was performed according to Stantec's proposal and terms and conditions dated October 6, 2023. Brandywine Homes (the "User") has been designated as the User of this report. The intended use of this Phase I ESA is for due diligence in support of potential redevelopment.

The Phase I ESA was conducted in conformance with the requirements of ASTM International (ASTM) Designation E1527-21, and All Appropriate Inquiries (AAI) as defined by the United States Environmental Protection Agency (EPA) in Title 40 of the Code of Federal Regulations, Part 312 (40 CFR 312), except as may have been modified by the scope of work, and terms and conditions, requested by the Client. Any exceptions to, or deletions from, the ASTM or AAI practice are described in Section 2.3.

The Subject Property consists of approximately 1.73 acres of land associated with the southern portion of an approximately 3.03-acre parcel of land designated by Assessor's Parcel Number (APN) 224-212-01. The Subject Property is currently developed with a single-story church building and asphalt parking lot. Historical records indicate the Subject Property was utilized for agricultural purposes between the 1920s to 1950s, vacant until the 1960s, and developed as an asphalt parking lot by the 1970s associated with a church and school within the same parcel. Adjoining properties, as well as the nearby area, are largely residential and commercial properties. A Subject Property Location Map is provided as Figure 1. A Subject Property Vicinity Map illustrating the main features of the Subject Property and vicinity is provided as Figure 2. Photographs taken during the site reconnaissance visit are provided in Appendix A.

In this Phase I & II ESA, Stantec identified and evaluated the following environmental concern:

- Historical records indicate that the Subject Property and vicinity were historically utilized for agricultural purposes until circa 1963. Based on the historical agricultural use, pesticides and/or herbicides may have been applied to the site soils on the Subject Property. These chemicals may persist in the subsurface at concentrations that maybe a concern to the residential development of the subject site. Stantec recommended the collection of shallow soil samples to evaluate if organochlorine pesticides (OCPs) and/or the metals lead and arsenic associated with herbicides exist at concentrations above residential screening levels or California hazardous waste levels for off-Site disposal.

In addition, Stantec identified the following non-ASTM issue

- Petromat is a stress-absorbing fabric often associated with asphalt, and it sometimes contains asbestos. Stantec observed asphalt-covered portions of the Subject Property and, therefore, recommends conducting a Petromat survey throughout the asphalted parking lot to investigate and assess the potential presence of asbestos-containing materials so that they may, as necessary, be abated in accordance with all applicable laws during site development activities.

To address the aforementioned potential environmental concerns (i.e. historical agricultural use and petromat), Stantec performed a Phase II ESA that consisted of the collection of shallow soil samples on the Subject Property on February 16, 2024. The scope of work performed included the asphalt coring and the advancement of ten (6) soil borings (SB-1 through SB-6) to approximately 3 feet below ground surface (bgs) across the Property as shown on Figure 2. Soil samples were collected from 1.0; 2.0; and 3.0-feet bgs from all soil borings and the shallow interval (1.0-ft bgs) was submitted for analysis of organochlorine pesticides (OCPs) by EPA Method 8081A; and arsenic/lead by EPA Method 6010B.

The laboratory did not report any detections of OCPs above laboratory reporting limits in any of the six soil samples collected and submitted for analysis. There was only one minor detection of arsenic at 5.2 milligrams per kilogram (mg/kg) at soil boring HA-04 which exceeded regulatory thresholds for residential soil set at 0.11 mg/kg. However, arsenic occurs naturally in California at levels up to 12 mg/kg, therefore exceeding the regulatory threshold. The State of California uses the background level as the cleanup standard for arsenic. Therefore, arsenic was not detected in the boring above anticipated cleanup levels. Lead was detected in all six borings at concentrations ranging from 2.5 to 4.3 mg/kg and concentrations were below regulatory thresholds for residential soil set at 80 mg/kg. Therefore, lead was not detected in the boring above anticipated cleanup levels.

Based on the results of soil sampling, Stantec concludes that the historical agricultural use does not represent a REC or a human health risk in light of the contemplated residential redevelopment of the Subject Property. Additionally, no Petromat was observed in any of the six boring locations. No further investigation appears to be warranted.

We have performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E1527-21 of the Subject Property. Any exceptions to, or deletions from, this practice are described Section 2.3 of this report. This assessment has revealed no recognized environmental conditions (RECs), Controlled RECs (CRECs), or significant data gaps in connection with the Subject Property. No further investigation appears to be warranted at this time.

This assessment has also revealed the following non-scope items in connection with the Subject Property:

- **ACM & LBP.** Given the age of the existing building on the Subject Property (circa 1960s), the presence of asbestos-containing materials (ACMs) and lead-based paint (LBP) is considered possible. Stantec recommends conducting a comprehensive, pre-demolition ACM and LBP survey prior to any activities with the potential to disturb building materials.

The preceding summary is intended for informational purposes only. Reading of the full body of this report is recommended.

2.0 INTRODUCTION

The objective of this Phase I ESA was to perform AAI into the past ownership and uses of the Subject Property consistent with good commercial or customary practice as outlined by ASTM International (ASTM) in "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process," Designation E1527-21. "All Appropriate Inquiries" is the process for evaluating a property's environmental conditions for the purpose of qualifying for landowner liability protections under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) following final rule of Part 312 of Title 40, Code of Federal Regulations (40 CFR Part 312). The purpose of this Phase I ESA was to identify, to the extent feasible, adverse environmental conditions including recognized environmental conditions ("RECs") of the Subject Property.

The ASTM E1527-21 standard indicates that the goal of the Phase I ESA is to identify RECs, as well as historical recognized environmental conditions ("HRECs") and controlled recognized environmental conditions ("CRECs") that may exist at a property. The term "recognized environmental conditions" is defined as:

1) the presence of hazardous substances or petroleum products in, on, or at the Subject Property due to a release to the environment;

2) the likely presence of hazardous substances or petroleum products in, on, or at the Subject Property due to a release or likely release to the environment; or

3) the presence of hazardous substances or petroleum products in, on, or at the Subject Property under conditions that pose a material threat of a future release to the environment.

ASTM defines a "HREC" as a previous release of hazardous substances or petroleum products affecting the Subject Property that has been addressed to the satisfaction of the applicable regulatory authority and meets current unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (e.g., activity and use limitations or other property use limitations). A HREC is not considered a REC.

ASTM defines a "CREC" as a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (e.g., as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), but with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (e.g., activity and use limitations, institutional controls, or engineering controls).

As defined by ASTM, RECs can include hazardous substances or petroleum products present under conditions in compliance with laws if that presence represents a material threat of future release. The release of hazardous substances or petroleum products is, however, not a REC if that presence is a *de minimis* condition. *De minimis* conditions are minor releases that generally do not present a material risk

to human health and would not likely be subject to enforcement action if brought to the attention of governmental agencies. ASTM also considers the potential for a business environmental risk (BER), defined as a risk which can have a material environmental or environmentally driven impact on the business associated with the current or planned use of the Subject Property, not necessarily limited to those environmental issues required to be investigated by the ASTM standard. Consideration of BERs may involve addressing one or more ASTM non-scope considerations.

This Phase I ESA was conducted in accordance with our proposal to Brandywine Homes dated October 6, 2023, and Client's authorization on December 11, 2023. The scope of work conducted during this Phase I ESA consisted of a visual reconnaissance of the Subject Property, interviews with key individuals, and review of reasonably ascertainable documents. The scope of work did not include an assessment for environmental regulatory compliance of any facility ever operated at the Subject Property (past or present), or sampling and analyzing of environmental media. Stantec was not contracted to perform an independent evaluation of the purchase or lease price of the Subject Property and its relationship to current fair market value. The conclusions presented in this Phase I ESA report are professional opinions based on data described herein. The opinions are subject to the limitations described in Section 2.3.

ASTM E1527-21 notes that the availability of record information varies from source to source. The User or Environmental Professional (EP) is not obligated to identify, obtain, or review every possible source that might exist with respect to a property. Instead, ASTM identifies record information that is reasonably ascertainable from standard sources. "Reasonably ascertainable" means:

1. Information that is publicly available;
2. Information that is obtainable from its source within reasonable time and cost constraints; and
3. Information that is practicably reviewable.

2.1 SUBJECT PROPERTY DESCRIPTION

The Subject Property consists of approximately 1.73 acres of land associated with the southern portion of an approximately 3.03-acre parcel of land designated by Assessor's Parcel Number (APN) 224-212-01. Historical records indicate the Subject Property was utilized for agricultural purposes between the 1920s to 1950s, vacant until the 1960s, and developed as an asphalt parking lot by the 1970s associated with a church and school within the same parcel. Adjoining properties, as well as the nearby area, are largely residential and commercial properties. A Subject Property Location Map is provided as Figure 1. A Subject Property Vicinity Map illustrating the main features of the Subject Property and vicinity is provided as Figure 2. Photographs taken during the site reconnaissance visit are provided in Appendix A.

2.2 SPECIAL TERMS, CONDITIONS, AND ADDITIONAL ASSUMPTIONS

There were no special terms, conditions, or additional assumptions associated with this Phase I ESA.

2.3 EXCEPTIONS AND LIMITING CONDITIONS

This report documents work that was performed in accordance with generally accepted professional standards at the time and location in which the services were provided and given the schedule and budget constraints established by the client. No other representations, warranties, or guarantees are made concerning the accuracy or completeness of the data or conclusions contained within this report, including no assurance that this work has uncovered all potential and actual liabilities and conditions associated with the Subject Property.

This report provides an evaluation of selected environmental conditions associated with the Subject Property that was assessed at the time the work was conducted and is based on information obtained by and/or provided to Stantec at that time. There are no assurances regarding the accuracy and completeness of this information received from others.

Conclusions made within this report consist of Stantec's professional opinion as of the time of the writing of this report and are based solely on the scope of work described in the report, the limited data available, and the results of the work. They are not a certification of the Subject Property's environmental condition.

Stantec did not obtain historical records that document the property history in 5-year intervals, and this resulted in data gaps. Although this represents data gaps, these data gaps are not considered to impact the EPs ability to identify RECs unless stated as such. Based on the information obtained during the course of this ESA and general knowledge of development at and near the Subject Property, the absence of this information did not affect the ability of the EPs to identify RECs, HRECs, CRECs, or *de minimis* conditions.

This report has been prepared for the exclusive use of the client identified herein and any use of or reliance on this report by any third party is prohibited, except as may be consented to in writing by Stantec or as required by law. The provision of any such consent is at Stantec's sole and unfettered discretion and will only be authorized pursuant to the conditions of Stantec's standard form reliance letter. Stantec assumes no responsibility for losses, damages, liabilities, or claims, howsoever arising, from third party use of this report.

Project Specific limiting conditions are provided in Section 2.2.

The locations of any utilities, buildings and structures, and property boundaries illustrated in or described within this report, if any, including pole lines, conduits, water mains, sewers and other surface or sub-surface utilities and structures, are not guaranteed. Before starting site work, the exact location of all such

utilities and structures must be confirmed by the client and the party performing the work, and Stantec assumes no liability resulting from damage to such utilities and structures.

The conclusions are based on the conditions encountered at the Subject Property by Stantec at the time the work was conducted. Accordingly, additional studies and actions may be required.

As the purpose of this report is to identify Subject Property conditions which may pose an environmental risk; the identification of non-environmental risks to structures or people on the Subject Property is beyond the scope of this assessment.

The findings, observations, and conclusions expressed by Stantec in this report are not an opinion concerning the compliance of any past or present owner or operator of the Subject Property which is the subject of this report with any Federal, state, provincial or local law or regulation.

This report presents professional opinions and findings of a scientific and technical nature. It does not and shall not be construed to offer a legal opinion or representations as to the requirements of, nor compliance with, environmental laws, rules, regulations, or policies of Federal, state, provincial or local governmental agencies.

Stantec specifically disclaims any responsibility to update the conclusions in this report if new or different information later becomes available or if the conditions or activities on the property subsequently change.

2.4 PERSONNEL QUALIFICATIONS

This Phase I ESA was conducted by, or under the supervision of, an individual that meets the ASTM definition of an EP. The credentials of the EP and other key Stantec personnel involved in conducting this Phase I ESA are provided in Appendix B.

3.0 USER-PROVIDED INFORMATION

ASTM E1527-21 describe responsibilities of the User to complete certain tasks in connection with the performance of "All Appropriate Inquiries" into the Subject Property. The ASTM standard requires that the EP request information from the User on the results of those tasks because that information can assist in the identification of RECs, CRECs, HRECs, or *de minimis* conditions in connection with the Subject Property. Towards that end, Stantec requested that the User provide the following documents and information:

Description of Information	Provided (Yes / No)	Description and/or Key Findings
User Questionnaire and/or Interview	Yes	The User Questionnaire was completed by Sarah Eskandari, Senior Project Manager with Brandywine Homes on December 11, 2023. Ms. Eskandari was not aware of any environmental concerns associated with the Subject Property.
Environmental Liens or Activity and Use Limitations (AUL)	No	No environmental liens and/or AULs were identified in the First American Title Company title report dated November 22, 2023.
Previous Environmental Permits or Reports Provided by User	No	None provided.
Purpose of the Phase I ESA	Yes	The intended use of the Phase I is for residential redevelopment.

User-provided documents are provided in Appendix C.

4.0 RECORDS REVIEW

The objective of consulting historical sources of information is to develop the history of the Subject Property and surrounding area and evaluate if past uses may have resulted in RECs. Physical setting records are evaluated to determine if the physical setting may have contributed to adverse environmental conditions in connection with the Subject Property. During the review of historical records, Stantec attempted to identify uses of the Subject Property from the present to the first developed use of the Subject Property. Stantec's research included the reasonably ascertainable and useful records described in this section.

4.1 PHYSICAL SETTING

A summary of the physical setting of the Subject Property is provided in the table below with additional details in the following subsections:

Topography:	According to the United States Geologic Survey (USGS) Los Alamitos topographic map provided in the Environmental Data Resources Inc. (EDR) Physical Setting Source Addendum (Appendix D), the topographic gradient in the vicinity of the Subject Property is to the south and the Subject Property is located at approximately 32 feet above mean sea level (ft. amsl).
Soil/Bedrock Data:	The United States Department of Agriculture – Natural Resources Conservation Service (USDA-NRCS), Web Soil Survey identifies the soils beneath the Subject Property as Hueneme fine sandy loam, with moderate infiltration rates, well drained soils, and moderately coarse soil textures. Soil layers are generally comprised of fine sandy loam (0-27 inches) and stratified sand to silt loam (27-59 inches).
Estimated Depth to Groundwater/ Estimated Direction of Gradient:	Site specific groundwater investigations were not conducted during this Phase I ESA; however, according to a 2003 case closure report for a nearby release site located approximately 1,300 feet to the southeast of the Subject Property, groundwater in the vicinity is approximately 4.23-7.21 feet below ground surface (bgs) with a flow direction to the southwest.
NOTE: Site-specific groundwater flow direction and depth can only be determined by conducting site-specific testing, which Stantec has not conducted.	

4.1.1 Subject Property Topography and Surface Water Flow

The Subject Property is located at an elevation of approximately 32 ft amsl. Based on the topography and existing surface conditions, general surface water flow is to the south.

4.1.2 Regional and Subject Property Geology

The Subject Property is located within the Coastal Plain of Orange County Groundwater Basin (8-001). The basin is bound to the north by consolidated rocks of the Puente and Chino Hills, to the east by the Santa Ana Mountains, to the south by the San Joaquin Hills, and to the southwest by the Pacific Ocean. The basin underlies a coastal alluvial plain and the lower Santa Ana River watershed (DWR, 2003).

According to California DOC Earthquake Zone Map (Department of Conservation Map Server (ca.gov)), the Subject Property is not located within an Alquist-Priolo (AP) Earthquake Fault Zone boundary. The closest fault zone is located approximately five miles to the southwest of the Subject Property. The Subject Property is located within a Liquefaction Zone.

4.1.3 Regional and Subject Property Hydrogeology

The Coastal Plain of Orange County Groundwater Basin is comprised of a deep depression containing fresh water bearing marine and continental sand, silt, and clay, with finer material increasing toward the coast. The majority of surface water recharge occurs within coarser deposits. Sediments that hold fresh water occur to approximately 2,000 feet bgs. Upper, middle, and lower aquifers are present below this level. Basin recharge occurs through Santa Ana River percolation, precipitation, and well injection. Historically, groundwater flow was toward the ocean in the southwest portion of the basin but pumping caused water levels to fall below sea level inland from the Newport-Inglewood fault zone. This trough subsequently allowed for ocean water to contaminate groundwater. As a result, injection wells have been placed within the Alamitos and Talbert Gaps (erosional channels) that allow injected water to help protect the basin from seawater (DWR, 2003).

Site specific groundwater investigations were not conducted during this ESA; however, according to a 2003 case closure report for a nearby release site located approximately 1,300 feet to the southeast of the Subject Property, groundwater in the vicinity is approximately 4.23-7.21 feet below ground surface (bgs) with a flow direction to the southwest.

4.2 FEDERAL, STATE AND TRIBAL ENVIRONMENTAL RECORDS

A regulatory agency database search report was obtained from EDR, a third-party environmental database search firm. A complete copy of the database search report, including the date the report was prepared, the date the information was last updated, and the definition of databases searched, is provided in Appendix D.

Stantec evaluated the information listed within the database relative to potential impact to the Subject Property, assessing the potential for impacts based in part on the physical setting. As part of this process, inferences have been made regarding the likely groundwater flow direction at or near the Subject Property. As described in 4.1.3, the inferred shallow groundwater flow direction is likely to be to the southwest. Observations about the Subject Property and adjoining properties made during the Subject Property reconnaissance are provided in more detail in Section 5.

4.2.1 Listings for Subject Property

The Subject Property is not listed in the EDR databases.

4.2.2 Listings for Adjoining and Nearby Sites with Potential to Impact Subject Property

Stantec assessed data presented in the environmental agency database search report to evaluate the potential for conditions on adjoining and nearby sites to pose a REC, CREC, or HREC for the Subject Property. The evaluation included an opinion of the potential for contamination by hazardous substances or petroleum products to migrate to the Subject Property from an adjoining or nearby site, including by vapor migration or encroachment (i.e., potential for a vapor encroachment condition [VEC]. ASTM E2600-22 Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions (ASTM, 2022) was used as the basis for a Tier I Vapor Encroachment Screen (VES) for the Subject Property. This included evaluation of release sites within 1/10 mile for Petroleum Hydrocarbon releases, and 1/3 mile for volatile and semi-volatile organic compound (VOC, SVOC), plus other potential vapor phase contaminants (such as mercury).

Listed Facility Name/Address	Database Listing	Distance/Direction from Property	REC? (YES / NO)
Sparkling Cleaners 11867 Valley View St. Garden Grove, CA	CPS-SLIC, CERS, RCRA-SQG, ORANGE CO. INDUSTRIAL SITE, FINDS, ECHO, DRYCLEANERS, EMI, HWTS, HAZNET	0.172 mile/908 feet east southeast at higher elevation	No
This historic drycleaner site is listed in the SWRCB's GeoTracker database as a release site with a case closure status dated 4/22/1999. A release of perchloroethylene (PCE) in soil is listed at the site in 1996. Remediation efforts in 1998 included excavation of 65 cubic yards of contaminated soil and 2,000 gallons of shallow perched groundwater. PCE concentration in the excavated soil was listed at less than 25 parts per billion. Three groundwater samples collected showed a decrease in PCE from 540 to 36.5 milligrams per liter. Residual concentrations of PCE were determined to be low enough to be left in place at the site, and the former drycleaner received case closure in 1999. Given the remedial actions and low levels of residual contaminants, this site is not considered a REC for the Subject Property.			

Listed Facility Name/Address	Database Listing	Distance/Direction from Property	REC? (YES / NO)
Eastgate Center/East Gate Cleaners 11908-11930 Valley View St. Garden Grove, CA	CPS-SLIC, DRYCLEANERS, ORANGE CO. INDUSTRIAL SITE, CERS	0.197 mile/1,041 feet east southeast at higher elevation	No
The site is listed as a release site in the SWRCB's GeoTracker database with case closure received in 1999. PCE and trichloroethylene (TCE) are reported as contaminants in groundwater due to release from the former drycleaner site. The groundwater remediation system was shut down in 1998; groundwater monitoring results indicated decreasing levels of PCE and TCE at the site. It was determined that contaminant levels had been reduced to residual levels eligible for closure. Given the case status and distance from the Subject Property, this site is not considered a REC for the Subject Property.			

The remaining listings in the database search report, including listings of Orphan Sites provided in Appendix D do not constitute a potential REC for the Subject Property.

4.3 LOCAL/REGIONAL ENVIRONMENTAL RECORDS

Stantec checked the following sources to obtain information pertaining to Subject Property use and/or indications of RECs in connection with the Subject Property:

4.3.1 Orange County Health Care Agency

Agency Name, Contact Information, Date	Finding
Orange County Health Care Agency 1241 East Dyer Rd #120 Santa Ana, CA 92705 (714) 433-6000 December 12, 2023	On December 21, 2023, the agency responded there were no records for the Subject Property address.

4.3.2 Fire Department

Agency Name Contact Information	Findings
Orange County Fire Authority Via email: coa@ocfa.org	On December 14, 2023, the agency responded with routine inspection reports for the Subject Property in 2021 to 2023. No environmental concerns were identified.

Agency Name Contact Information	Findings
Date Submitted: December 12, 2023	

4.3.3 City and County Department Records

Agency Name Contact Information	Findings
City of Garden Grove Via email: cityclerk@ggcity.org Date Submitted: December 12, 2023	On December 13, 2023, the agency responded that they do not have records for the Subject Property.

4.3.4 State Department Records

Agency Name Contact Information	Finding
Custodian of Records Los Angeles Regional Water Quality Control Board (LARWQCB) Via email: FileReview8@waterboards.ca.gov Submitted and accessed on December 12, 2023	Stantec researched Geotracker, the California Regional Water Quality Control Board public database, to evaluate if there are any reported releases at the Subject Property or on adjoining properties. There were no release sites listed for the Subject Property or adjoining properties. Additionally, the LARWQCB responded on December 14, 2023, that they do not have current or historical records for the Subject Property.
Department of Toxic Substances Control (DTSC), Envirostor database Cypress Regional Office Online database: https://www.envirostor.dtsc.ca.gov/public/ Via email: cypressfileroom@dtsc.ca.gov Submitted and accessed on December 12, 2023	Stantec researched Envirostor, the DTSC public database, to evaluate if there are any reported releases at the Subject Property or on adjoining properties. There were no release sites listed for the Subject Property. Additionally, the DTSC responded on December 14, 2023, that they have no current or historical records for the Subject Property.
California Geologic Energy Management (CalGEM) Online database: https://maps.conservation.ca.gov/doggr/wellfinder Accessed: January 3, 2024	The California Department of Conservation Geologic Energy Management Division (CalGEM) database was searched to identify the potential existence of oil and gas production wells within the vicinity of the Subject Property. No oil or gas wells were located within the Subject Property

	boundaries. The closest well is located approximately two miles north and is listed as idle (API 0405901033). No releases are reported for this well. Therefore, this well is not considered a REC for the Subject Property.

4.4 HISTORICAL RECORDS REVIEW

4.4.1 Land Title Records/Deeds

Land title records, deeds, environmental liens, and activity and use limitation documentation were not provided by the User, and public records were not searched by Stantec.

4.4.2 Aerial Photographs

Stantec reviewed historical aerial photographs provided by EDR. The general type of activity on a property and land use changes can often be discerned from the type and layout of structures visible in the photographs. However, specific elements of a facility's operation usually cannot be discerned from aerial photographs alone. The following table summarizes Stantec's observations of the reviewed historical aerial photographs. Copies of the historical aerial photographs are provided in Appendix E.

Year	Scale	Observations of Subject Property and Adjoining/Nearby Properties
1928 1938 1947 1952	1"=500'	The Subject Property and adjoining properties appear to be agricultural land.
1963 1972 1977	1"=500'	The Subject Property appears to be developed with a school/church building and parking lot. The adjoining properties appear to be residentially and commercially developed. The vicinity appears densely developed. By 1977, a small potential structure is depicted in the northwest Subject Property corner.
1983 1988 1990 1994 2002 2005 2009 2012 2016	1"=500'	The Subject Property appears to be paved with a small structure depicted in the northwest corner. Adjoining properties are developed with residential and commercial buildings. By 1990, parking stalls are delineated on the Subject Property pavement.

Year	Scale	Observations of Subject Property and Adjoining/Nearby Properties
2020		

Aerial photographs source: The EDR Aerial Photo Decade Package

No RECs were noted during the review of the historical aerial photographs.

4.4.3 City Directories

Stantec retained a third party to research available city directories for the Subject Property and adjoining and nearby properties, in approximately five-year intervals. Copies of the city directory listings are provided in Appendix E.

Stantec retained a third party to research available city directories for the Subject Property and adjoining and nearby properties, in approximately five-year intervals. The Subject Property is listed in the city directory under 5802 Santa Catalina Avenue as a church and school between the years 2020 and 1970. Adjoining properties are generally residential and commercial listings.

4.4.4 Historical Fire Insurance Maps

Fire insurance maps were developed for use by insurance companies to depict facilities, properties, and their uses for many locations throughout the United States. These maps provide information on the history of prior land use and are useful in assessing whether there may be potential environmental contamination on or near the Subject Property. These maps, which have been periodically updated since the late 19th century, often provide valuable insight into historical Subject Property and adjoining and nearby property uses.

Stantec requested fire insurance maps from EDR; however, no coverage exists for the Subject Property. The Sanborn® Map Search Report indicating “No Coverage” is presented in Appendix E.

4.4.5 Historical Topographic Maps

Stantec reviewed historical USGS 7.5-minute Topographic Maps of the Los Alamitos and Artesia, California Quadrangles (scale 1:24,000 and 1:31,680), and the historical USGS 15-minute Topographic Maps of the Downey, California Quadrangles (scale 1:50,000 and 1:62,500), to help identify past Subject Property and adjoining and nearby property usage and areas of potential environmental concern. Copies of the historical maps are provided in Appendix E.

The following table summarizes the maps reviewed and our observations.

Year	Scale	Observations of Subject Property and Adjoining/Nearby Properties
1896 1899	1:62,500 1:62,500	The Subject Property and adjoining properties are depicted as vacant.

Year	Scale	Observations of Subject Property and Adjoining/Nearby Properties
1902	1:62,500	
1923 1925	1:24,000 1:24,000	The Subject Property and adjoining properties are unmapped.
1935 1942 1943	1:31,680 1:62,500 1:62,500	The Subject Property and adjoining properties appear vacant.
1945	1:24,000	The Subject Property and adjoining properties are unmapped.
1947 1949 1950	1:50,000 1:24,000 1:24,000	The Subject Property and adjoining properties appear vacant.
1964 1972 1974 1981	1:24,000 1:24,000 1:24,000 1:24,000	The Subject Property and adjoining properties are shaded pink, indicating dense development. A church is depicted adjoining north.
2012 2015 2018 2021	1:24,000 1:24,000 1:24,000 1:24,000	No structures are depicted on the map.

Historical topographic maps source: The EDR Historical Topographic Map Report

Features identified in the historical topographic maps do not represent a REC to the Subject Property.

4.4.6 Other Historical Sources

No other historical sources were researched.

5.0 SITE RECONNAISSANCE

A visit to the Subject Property and its vicinity was conducted by Alex Sobolew with Stantec, on December 15, 2023. Stantec was unaccompanied during the Subject Property visit. Figure 2 provides information about the Subject Property and adjoining sites and the location of potential areas of environmental concern. Detailed Subject Property features are shown on Figure 2. Photographs collected during the site reconnaissance are included in Appendix A.

5.1 SITE RECONNAISSANCE METHODOLOGY

The site reconnaissance focused on observation of current conditions and observable indications of past uses and conditions of the Subject Property that may indicate the presence of RECs. The reconnaissance of the Property was conducted on foot and Stantec utilized the following methodology to observe the Property:

- Traverse the outer Subject Property boundary
- Traverse transects across the Subject Property
- Traverse the periphery of all structures on the Subject Property
- Visually observe accessible interior areas expected to be used by occupants or the public maintenance and repair areas, utility areas, and a representative sample of occupied spaces

Weather conditions during the visit to the Subject Property were clear and sunny. There were no weather-related Subject Property access restrictions encountered during the reconnaissance visit.

5.2 GENERAL DESCRIPTION

Subject Property and Area Description:	The Subject Property is located north of Santa Catalina Avenue, in the City of Garden Grove, in the County of Orange, California. The surrounding area is residential properties.
Subject Property Operations:	The Subject Property is a parking lot associated with a church and school.
Structures, Roads, Other Improvements:	Asphalt parking lot.
Subject Property Size (acres):	1.73 acres
Estimated % of Subject Property Covered by Buildings and/or Pavement:	100%

Observed Current Subject Property Use/Operations:	Church/School.
Observed Evidence of Past Subject Property Use(s):	None observed.
Sewage Disposal Method (and age):	Garden Grove Public Works Department.
Potable Water Source:	Garden Grove Water Services Division.
Electric and Natural Gas Utilities:	Southern California Edison.

5.3 HAZARDOUS SUBSTANCES AND PETROLEUM PRODUCTS

The following table summarizes Stantec's observations during the Subject Property reconnaissance.

Observations	Description/Location
Hazardous Substances and Petroleum Products as Defined by CERCLA 42 U.S.C. § 9601(14) with identified uses:	None observed.
Drums/Totes/Intermediate Bulk Containers (≥ 5 gallons):	None observed.
Strong, Pungent, or Noxious Odors:	None observed.
Pools of Liquid:	None observed.
Unidentified Substance Containers:	None observed.
Polychlorinated biphenyl (PCB)-Containing Equipment:	None observed.
Other Observed Evidence of Hazardous Substances or Petroleum Products:	None observed.

5.4 INTERIOR OBSERVATIONS

No structures were present at the time of Stantec's site reconnaissance.

5.5 EXTERIOR OBSERVATIONS

Stantec made the following observations during the site reconnaissance of exterior areas of the Subject Property and/or identified the following information during the interview or records review portions of the assessment:

Observations	Description
On-site Pits, Ponds, or Lagoons:	None observed.
Stained Soil or Pavement:	None observed.
Stressed Vegetation:	None observed.
Waste Streams and Waste Collection Areas:	None observed.
Solid Waste Disposal:	None observed.
Potential Areas of Fill Placement:	No mounds, piles, or depressions suggesting the placement of fill material were observed on the Subject Property.
Wastewater:	No exterior wastewater discharge was observed.
Stormwater:	Stormwater on the Subject Property was not observed during the site visit but based on terrain is likely to flow to the west into the street and alley.
Wells:	No wells were observed.
Septic Systems:	No visible evidence of the existence of a septic system was observed.
Other Exterior Observations:	None observed.

5.6 UNDERGROUND STORAGE TANKS/STRUCTURES

Existing USTs:	No visible evidence (fill pipes, vent pipes, dispensers, surface patches), which would indicate the presence of USTs, was discovered during the site reconnaissance.
Former USTs:	No visible evidence (fill pipes, vent pipes, dispensers, surface patches), reports, or other evidence of the former presence of USTs was discovered during this Phase I ESA.
Other Underground Structures:	None observed.

5.7 ABOVEGROUND STORAGE TANKS

Existing ASTs:	No visible evidence (fill pipes, vent pipes, dispensers, surface stains), which would indicate the presence of ASTs, was discovered during the site reconnaissance.
Former ASTs:	No visible evidence (fill pipes, vent pipes, dispensers, surface stains), reports, or other evidence of the former presence of ASTs was discovered during this Phase I ESA.

5.8 ADJOINING PROPERTIES

5.8.1 Current Uses of Adjoining Properties

As viewed from the Subject Property and/or from public rights-of-way, Stantec made the following observations about use and activities on adjoining sites:

NORTH	Church and school.
EAST	Residential development.
SOUTH	Santa Barbara Avenue and residential development.
WEST	Alley and residential development.

Refer to Figure 2.

5.8.2 Observed Evidence of Past Uses of Adjoining Properties

Observations of adjoining sites providing indications of past use and activities, if any, are described below.

NORTH	None observed.
EAST	None observed.
SOUTH	None observed.
WEST	None observed.

5.8.3 Pits, Ponds, or Lagoons on Adjoining Properties

As viewed from the Subject Property and/or from public rights-of-way, Stantec made the following observations about the presence of pits, ponds, and lagoons on adjoining sites:

NORTH	None observed.
EAST	None observed.
SOUTH	None observed.
WEST	None observed.

5.9 OBSERVED PHYSICAL SETTING

Topography of the Subject Property and Surrounding Area:	The Subject Property is relatively flat, with a gentle gradient to the west.

6.0 PHASE II ENVIRONMENTAL ASSESSMENT

During the Phase I ESA, Stantec identified the following environmental concern associated with the Subject Property.

- **Historical Agricultural Use**. Historical records indicate that the Subject Property and vicinity were historically utilized for agricultural purposes until circa 1964. Based on the historical agricultural use, pesticides and/or herbicides may have been applied to the site soils on the Subject Property. These chemicals may persist in the subsurface at concentrations that maybe a concern to the residential development of the subject site. Stantec recommends collection of shallow soil samples to evaluate if organochlorine pesticides (OCPs) and/or the metals lead and arsenic associated with herbicides exist at concentrations above residential screening levels or California hazardous waste levels for off-Site disposal.

Stantec has identified the following non-ASTM issues:

- **Petromat.** Petromat is a stress-absorbing fabric often associated with asphalt, and it sometimes contains asbestos. Stantec recommends conducting a Petromat survey throughout the asphalted parking lot to investigate and assess the potential presence of Asbestos-Containing Materials so that they may, as necessary, be abated in accordance with all applicable laws.

The following scope of work was completed to address the potential RECs.

6.1 PRE-DRILLING ACTIVITIES

Prior to the commencement of fieldwork activities Stantec made the following preparations:

- Stantec obtained an Underground Service Alert (USA) ticket number prior to commencement of drilling activities.

- In accordance with federal OSHA regulations (29 CFR, Section 1910.120), Stantec developed a site-specific Health and Safety Plan (HASP) for the Property. All Stantec personnel and subcontractors associated with the project were required to be familiar with, and comply with, all provisions of the HASP.

6.2 INVESTIGATION

To address the aforementioned potential environmental concerns (i.e. historical agricultural use), Stantec performed a Phase II ESA that consisted of the collection of shallow soil samples on the Subject Property on February 16, 2024. The scope of work performed included the asphalt coring and the advancement of ten (6) soil borings (SB-1 through SB-6) to approximately 3 feet below ground surface (bgs) across the Property as shown on Figure 2.

6.3 LABORATORY TESTING PROGRAM

Soil samples collected from the 1-ft interval during this investigation were analyzed for OCPs by EPA Method 8081A; and the metals lead and arsenic by EPA Method 6010B by Jones Environmental Inc. (JEI), located in Santa Fe Springs, California. All samples collected during this investigation were transported under chain-of-custody protocols and analyzed by certified for hazardous waste testing by the California State Water Resources Control Board Environmental Laboratory Accreditation Program (ELAP). Complete laboratory reports, including QA/QC documentation is included in Appendix G.

6.4 INVESTIGATION RESULTS

6.4.1 FIELD OBSERVATIONS

Soils encountered during the investigation consisted largely of silty sand. Groundwater was not encountered in any of the boreholes. No staining or odors were observed in any of the boreholes.

6.4.1 Soil Analytical Results

The laboratory did not report any detections of OCPs above laboratory reporting limits in any of the six soil samples collected and submitted for analysis. There was only one minor detection of arsenic at 5.2 milligrams per kilogram (mg/kg) at soil boring HA-04 which exceeded regulatory thresholds for residential soil set at 0.11 mg/kg. However, arsenic occurs naturally in California at levels up to 12 mg/kg, therefore exceeding the regulatory threshold. The State of California uses the background level as the cleanup standard for arsenic. Lead was detected in all six borings at concentrations ranging from 2.5 to 4.3 mg/kg and concentrations were below regulatory thresholds for residential soil set at 80 mg/kg.

6.4.2 Petromat Observations

Petromat was not observed in any of the six asphalt cores obtained from drilling through the asphalt for each boring locations in the parking lot. Stantec recommends no further investigation regarding this issue.

6.5 PHASE II ESA CONCLUSIONS AND RECOMMENDTAIONS

Based on the results of soil sampling, Stantec concludes that the historical agricultural use does not represent a REC or a human health risk in light of the contemplated residential redevelopment of the Subject Property. Additionally, no Petromat was observed in any of the six boring locations. No further investigation appears to be warranted.

7.0 EVALUATION

This section provides a summary overview of or Findings, Opinions, and Conclusions.

7.1 FINDINGS AND OPINIONS

Information gathered from interviews, reviews of existing data, and an inspection was evaluated to determine if RECs are present in connection with the Subject Property. Based on this information, Stantec made the following findings and developed the following opinions.

- Historical records indicate that the Subject Property and vicinity were historically utilized for agricultural purposes until circa 1964. Due to the potential for residual agricultural chemicals associated with historical agricultural use, the historical use of the Subject Property as agricultural land is considered a potential recognized environmental condition (REC) to the Subject Property. Stantec recommended the collection of shallow soil samples to evaluate if residual OCPs and arsenic and lead associated with herbicide application remain in the Subject Property soils at concentrations that would be of concern for residential redevelopment and earth moving activities.

  To address the aforementioned potential environmental concerns (i.e. historical agricultural use), Stantec performed a Phase II ESA that consisted of the collection of shallow soil samples on the Subject Property on February 16, 2024. The results of that assessment are discussed above in section 6.0.

  Based on the results of the soil sampling, Stantec concludes that the historical agricultural use does not represent a REC or a human health risk in light of the contemplated residential redevelopment of the Subject Property. No further investigation appears to be warranted.

- The Subject Property is developed with an asphalt parking lot. Petromat is a stress-absorbing fabric often associated with asphalt, and it sometimes contains asbestos.

  Petromat was not observed in any of the six boring locations in the asphalt parking lot. Stantec recommends no further investigation regarding this issue.

- An environmental records search was performed and identified sites within their respective ASTM E1527-21 search radii of the Subject Property that may represent RECs, CRECs, HRECs, or de minimis conditions.

  Based on one or more of the following reasons: distance from the Subject Property, position of sites with respect to assumed groundwater flow direction, the type of native soils, and regulatory status, none of the sites identified in the environmental records search report are expected to impact soil or groundwater quality at the Subject Property. The environmental records search identified no RECs, CRECs, HRECs or *de minimis* conditions at or near the Subject Property.

- Given the age of the existing building on the Subject Property (circa 1960s), the presence of asbestos-containing materials (ACMs) and lead-based paint (LBP) is considered possible.

  Stantec recommends conducting a comprehensive, pre-demolition ACM and LBP survey prior to any activities with the potential to disturb building materials.

7.2 DATA GAPS

The federal AAI final rule [40 CFR 312.10(a)] and ASTM E1527-21 identify a "data gap" as the lack or inability to obtain information required by the standards and practices of the rule despite good faith efforts by the EP or the User.

Any data gaps resulting from the Phase I ESA described in this report are listed and discussed below.

Gap	Discussion
Deletions or Exceptions from Scope of Work Referenced in Section 1.4:	None.
Weather-Related Restrictions to Site Reconnaissance:	None.
Facility Access Restrictions to Site Reconnaissance:	None.
Other Site Reconnaissance Restrictions:	None.
Data Gaps from Environmental Records Review:	None.
Data Gaps from Historical Records Review:	Historical records for the Subject Property were not available in five-year increments. These are considered to be data gaps; however, based on available historical records and consistent land use, they do not appear to change the conclusions of this report.
Data Gaps from Interviews:	No on-site interview was conducted. Given the use of the Subject Property as a parking lot and historical documentation available, the lack of an on-site interview is not considered a significant data gap and is unlikely to impact the findings of this report.
Other Data Gaps:	None.

7.3 CONCLUSIONS

We have performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E1527-21 of the Subject Property. Any exceptions to, or deletions from, this practice are described Section 2.3 of this report. This assessment has revealed no recognized environmental conditions (RECs),

Controlled RECs (CRECs), or significant data gaps in connection with the Subject Property. No further investigation appears to be warranted at this time.

This assessment has also revealed the following non-scope items in connection with the Subject Property:

- **ACM & LBP.** Given the age of the existing building on the Subject Property (circa 1960s), the presence of asbestos-containing materials (ACMs) and lead-based paint (LBP) is considered possible. Stantec recommends conducting a comprehensive, pre-demolition ACM and LBP survey prior to any activities with the potential to disturb building materials.

8.0 NON-SCOPE CONSIDERATIONS

The following ASTM E1527-21 non-scope services were performed as part of this Phase I ESA:

8.1 LEAD-BASED PAINT

Concern for lead-based paint (LBP) is primarily related to residential structures. The EPA's Final Rule on Disclosure of Lead-Based Paint in Housing (40 CFR Part 745) defines LBP as paint or other surface coatings that contain lead equal to or in excess of 1.0 milligram per square centimeter or 0.5 percent by weight.

The risk of lead toxicity in LBP varies based upon the condition of the paint and the year of its application. The U.S. Department of Housing and Urban Development (HUD) has identified the following risk factors:

- The age of the dwelling as follows: maximum risk is from paint applied before 1950.
- There is severe risk from paint applied before 1960.
- There is moderate risk from deteriorated paint applied before 1970.
- There is slight risk from the paint that is intact but applied before 1977.
- The condition of the painted surfaces.
- The presence of children and certain types of households in the building.
- Previously reported cases of lead poisoning in the building or area.

Given the age of the existing building on the Subject Property (circa 1960s), the presence of lead-based paint (LBP) is considered possible.

8.2 ASBESTOS

Asbestos can be found in many applications, including sprayed-on or blanket-type insulation, pipe wraps, mastics, floor and ceiling tiles, wallboard, mortar, roofing materials, and a variety of other materials commonly used in construction. The greatest asbestos-related human health risks are associated with friable asbestos, which is ACM that can be reduced to powder by hand pressure. Friable asbestos can become airborne and inhaled, which has been associated with specific types of respiratory disease. The manufacturing and use of asbestos in most building products was curtailed during the late 1970s.

Stantec makes no warranty as to the possible existence or absence of inaccessible materials or to their evaluation with respect to asbestos content. Samples of suspect ACM should be collected for laboratory analysis of asbestos prior to any renovation or building demolition to be compliant with, EPA National Emission Standard for Hazardous Air Pollutants (NESHAP) regulations.

Given the age of the existing building on the Subject Property (circa 1960s), the presence of asbestos-containing materials (ACMs) is considered possible. Stantec recommends conducting a comprehensive, pre-demolition ACM and LBP survey prior to any activities with the potential to disturb building materials.

Petromat was not observed in any of the six boring locations in the asphalt parking lot. Stantec recommends no further investigation regarding this issue.

8.3 RADON

Radon is a colorless, tasteless radioactive gas with an EPA-specified action level of 4.0 PicoCuries per liter of air (pCi/L) for residential properties. Radon gas has a very short half-life of 3.8 days. The health risk potential of radon is primarily associated with its rate of accumulation within confined areas near or in the ground, such as basements, where vapors can readily transfer to indoor air from the ground through foundation cracks or other pathways. Large, adequately ventilated rooms generally present limited risk for radon exposure. The radon concentrations in buildings and homes depend on many factors, including soil types, temperature, barometric pressure, and building construction (EPA, 1993).

Stantec reviewed regional data published by the EPA on average indoor radon concentrations in the vicinity of the Property (http://www.epa.gov/radon/zonemap.html).

EPA Radon Zones (w/Average Measured Indoor Radon concentrations)		
Zone 1 – High (>4.0 pCi/L)	Zone 2 – Moderate (2 to 4 pCi/L)	Zone 3 – Low (<2 pCi/L)

The Subject Property is located in Zone 3 and is considered to have low potential for radon. According to EDR, none of the 23 tests conducted in zip code 92845 (area of the Subject Property) were above 4 pCi/L. To determine Subject Property-specific radon levels, a radon survey would have to be conducted; however, based on the data collected for the zip code further investigation of indoor radon issues does not appear to be warranted.

8.4 FLOOD ZONES

According to the Physical Setting summary portion of the EDR report, the Subject Property is located within a 0.2% Annual Chance Flood Hazard Zone.

9.0 REFERENCES

ASTM International, 2021, Standard Practice for Environmental Site Assessments: Phase 1 Environmental Site Assessment Process, Designation: E 1527-21.

ASTM International, 2022, Standard Guide for Vapor Encroachment Screening on Subject Property Involved in Real Estate Transactions, Designation E 2600-22.

California Department of Toxic Substances Control, 2023, EnviroStor.

California Department of Water Resources (DWR), 2003. California's Groundwater Bulletin 118: Coastal Plain of Orange County Groundwater Basin.

California State Department of Water Resources Control Board, 2023, GeoTracker.

California State Department of Water Resources SGMA Portal (SGMA), 2023, GeoTracker.

Environmental Data Resources, Inc. (EDR), 2023. EDR Radius Map with Geocheck, Inquiry Number 7519416.2s, dated December 13, 2023.

_____, Certified Sanborn Map Report, Inquiry Number 7519416.3, dated December 13, 2023.

_____, Historical Topographic Map Report, Inquiry Number 7519416.4, dated December 13, 2023.

_____, Aerial Photo Decade Package, Inquiry Number 7519416.8, dated December 13, 2023.

_____, City Directory Abstract, Inquiry Number 7519416.5 dated December 13, 2023.

FIGURES

0 2500 5000 7500 ft

SCALE : AS SHOWN

NOTE: THIS DRAWING ILLUSTRATES SUPPORTING INFORMATION SPECIFIC TO A STANTEC SERVICES INC. REPORT AND MUST NOT BE USED FOR OTHER PURPOSES.

SUBJECT PROPERTY LOCATION MAP PHASE I ENVIRONMENTAL SITE ASSESSMENT 5802 SANTA CATALINA AVENUE, GARDEN GROVE, CA 92845	Project No.: 185806348 Scale: AS SHOWN Date: 24/01/05 Dwn. By: CD OK SC2024010003 App'd By: KE	Fig. No.: 1	Stantec
Client: BRANDYWINE HOMES			

Stantec Consulting Ltd. © 2024

Stantec Consulting Ltd. © 2024

LEGEND

SUBJECT PROPERTY

0 50 100 150FT

SCALE : AS SHOWN

NOTE: THIS DRAWING ILLUSTRATES SUPPORTING INFORMATION SPECIFIC TO A STANTEC CONSULTING LTD. REPORT AND MUST NOT BE USED FOR OTHER PURPOSES.

SUBJECT PROPERTY DETAILS

PHASE I ENVIRONMENTAL SITE ASSESSMENT

5802 SANTA CATALINA AVENUE, GARDEN GROVE, CA 92845

Client: BRANDYWINE HOMES

Project No.:	185806348
Scale:	AS SHOWN
Date:	24/01/05
Dwn. By:	CD OK SC2024010004
App'd By:	KE

Fig. No.: 2

Stantec

APPENDICES

APPENDIX A
PHOTOGRAPHS OF THE PROPERTY AND VICINITY

Photographs of the Property and Vicinity
Site Address: **5802 Santa Catalina Avenue, Garden Grove, CA**
Photographer: **Alex Sobolew**
Date: **December 15, 2023**

Photo #1 View of Church and school across Santa Catalina Avenue, north of Subject Property.

Photo #2 View of asphalt parking lot associated with church and school north Subject Property.

Photo #3 View of asphalt pavement in Eastern portion of Subject Property.

Photo #4 View of court in northern portion of Subject Property.

Photo #5 View of asphalt in southern portion of the Subject Property.

Photo #6 View of storage containers in northwestern portion of the Subject Property.

Photo #7 View of school building in northwestern portion of Subject Property.

Photo #8 View of alley and residential housing west of Subject Property.

Photo #9 View of residential apartments south of Subject Property.

Photo #10 View of residential housing across Santa Barbara Avenue southeast of Subject Property.

Photo #11 View of residential housing east of Subject Property.

APPENDIX B
STANTEC RESUMES

Alicia Jansen CAC, LRCIA

Senior Scientist
21 years of experience

Alicia is a Senior Scientist with over twenty years of experience in Phase I and II Environmental Assessments, with strong emphasis in water quality and environmental research. Alicia has managed the preparation of environmental documents, training programs, and environmental compliance during large scale environmental monitoring projects. Alicia's environmental consulting experience includes performing asbestos and lead-based paint surveys, oversight of contractors during asbestos abatement, hazardous materials surveys, and Phase I Environmental Site Assessments (ESAs) in accordance with the practices identified in the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM Designation E 1527-21 and the Standard Practice for Environmental Site Assessments for Forestland or Rural Property, ASTM Designation E 2247-16.

EDUCATION

BA, Environmental Studies, San Jose State University, San Jose, California, 2004

CERTIFICATIONS & TRAINING

Residential Measurement Provider, 108212, National Radon Proficiency Program, Anaheim, California, 2015

REGISTRATIONS

Certified Asbestos Consultant #CAC #15-5379, State of California Division of Occupational Safety and Health

Lead Inspector/Risk Assessor #LRC-00005363, California Department of Public Health

MEMBERSHIPS

Member, Groundwater Resources Association of California

PROJECT EXPERIENCE

HEALTH, SAFETY & INDUSTRIAL HYGIENE

Cochise County, Asbestos, Lead-Based Paint, and Hazardous Materials Survey | Arizona | Field Lead and Certified Asbestos Consultant

Alicia conducted with site inspections for asbestos, lead-based paint, and hazardous materials at multiple vacant structures including schools, multi-tenant apartment buildings, and commercial structures. The scope of work involved sample collection for asbestos and lead-based paint in addition to the quantification of universal wastes (PCBs, mercury containing equipment, refrigerants, etc.) that would require special handling and disposal. She assisted with the preparation of reports summarizing findings. Role: Field Lead | Dates involved: 2020-2022

Confidential Health Care Company, Asbestos, Lead-Based Paint, and Hazardous Materials Survey | Northern California | Staff

Alicia assisted with site inspections for asbestos, lead-based paint, and hazardous materials at multiple occupied hospitals and office spaces. The scope of work involved sample collection for asbestos and lead-based paint in addition to the quantification of universal wastes (PCBs, mercury containing equipment, refrigerants, etc.) that would require special handling and disposal. She assisted with the preparation of reports summarizing findings. Role: Field Lead | Dates involved: 2013-2020

State of California General Services, Asbestos, Lead-Based Paint, and Hazardous Materials Survey | Northern California | 2009 | Technical Support

Alicia assisted with site inspections for asbestos, lead-based paint, and hazardous materials at multiple communication towers in remote areas. The scope of work involved sample collection for asbestos and lead-based paint in addition to the quantification of universal wastes (PCBs, mercury containing equipment, refrigerants, etc.) that would require special handling and disposal. She assisted with the preparation of reports summarizing findings. Role: Technical Support | Cost: Unknown | Dates involved: 10/2009-10/2009

Indoor Air Quality Assessments* | San Jose, California | 2002-2005 | Staff

Alicia performed site inspections, interviews, and collected air samples to be analyzed for various air pollutants and molds including formaldehyde, penicillium, aspergillus, cladosporium, and stachybotry. She prepared reports summarizing findings and made recommendations.

Veteran's Administration of Puget Sound, Asbestos and Lead-Based Paint Survey | Seattle, Washington | 2009 | Project Scientist

Alicia served as the Project Scientist responsible for hazardous building material assessments, specifically asbestos and lead-based paint. These services were required as part of the pre-design tasks for this project. Over 300 samples were collected over the span of four days culminating in a final hazardous building materials report to be incorporated into the facility design as well as demolition activities once the construction phase of the

** denotes projects completed with other firms*

project commences.

Interim Remedial Action, Indoor Air Sampling, and Sub-Slab Soil Gas Sampling | Sunnyvale, California | 2004–2014 | Task Manager and Field Support

Alicia conducted an indoor air sampling survey using air sampling pumps, dosimeter badges, and flame ionization detector (FID) during a sump excavation. She performs semi-annual sub-slab soil vapor sampling and indoor air quality surveys using summa canisters. She assists with the preparation and submittal of reports summarizing the findings and provides recommendations to the local regulatory agency. Role: Indoor Air Sampling Survey | Cost: Unknown | Dates involved: 09/2004-09/2014

Lead Dust Assessment and Abatement Oversight | Fremont, California | 2009 | Technical Support

Alicia assisted with the evaluation of lead dust in an industrial facility. A total of 307 dust wipe samples were collected in order to evaluate the potential presence of lead dust throughout the two-story, 500,000 square foot manufacturing building. Role: Technical Support | Cost: Unknown | Dates involved: 01/2009-03/2009

Former Tesoro Coke Facility, Asbestos, Lead-Based Paint Survey | Pittsburg, California | Technical Support

Alicia assisted with an asbestos and lead paint survey of 20 structures at the facility ultimately scheduled for demolition. More than 200 samples were collected over the span of two days. She prepared a report for demolition while also providing the information needed for worker safety during demolition activities at the facility. Role: Technical Support | Cost: Unknown | Dates involved: 04/2009-04/2009

State of California General Services, Asbestos and Lead-Based Paint Survey | Southern California | 2014-2019 | Certified Asbestos Consultant

Alicia conducted with site inspections for asbestos and lead-based paint at multiple bridges, maintenance stations, and roadways throughout Southern California. The scope of work involved sample collection for asbestos and lead-based paint that would require special handling and disposal. She assisted with the review and approval of reports summarizing findings. Role: Certified Asbestos Consultant | Cost: Unknown | Dates involved: 9/2014-10/2019

Confidential Client, Asbestos and Lead-Based Paint Survey | Multiple Sites, California | Task Manager and Certified Asbestos Consultant

Alicia conducts pre-demolition asbestos and lead paint surveys of structures ultimately scheduled for demolition. She prepared a report for demolition while also providing the information needed for worker safety during demolition activities at the facility. Role: Task Manager and Certified Asbestos Consultant| Dates involved: 2006 - present

PERMITTING, COMPLIANCE, AUDITING

Tesoro Refinery, Initial Study* | Benicia, California | 2005 | Staff

Alicia assisted with the background research and preparation of applicant-prepared initial study for the upgrade of a refinery.

Transmission Line Upgrade* | San Mateo to San Francisco, California | 2005 | Environmental Research and Compliance Staff

Alicia supported the environmental compliance program for the construction of a 27-mile 230 kV underground and overhead transmission line. She assisted with the preparation and submittal of variance requests, extra work space requests, and daily and weekly reports for submittal to the California Public Utilities Commission. She also conducted research and assisted with training and report preparation.

REMEDIAL INVESTIGATIONS & ASSESSMENTS

California Department of Transportation Portfolio | Multiple Sites, Northern California and Southern California, California | 2008-2019 | Task Lead Manager

Alicia prepared quarterly groundwater monitoring reports, subsurface investigation reports, sensitive receptor surveys, and preferential pathway studies for various California Department of Transportation locations throughout Northern California. She assisted with the utility locating, work plan preparation, field coordination, archived data onto the State Water Resource Control Board's (RWQCB) Geotracker electronic filing system. Alicia currently conducts site inspections for asbestos, lead-based paint, and hazardous materials for bridges, salt barns, and maintenance buildings associated with California Department of Transportation locations throughout Southern California. The scope of work involves sample collection for asbestos and lead-based paint that would require special handling and disposal. She assists with the preparation of reports summarizing findings. Role: Task Lead Manager | Cost: Unknown | Dates involved: 06/2008-02/2019

Soil Gas Sampling and Human Health Risk Assessment | San Jose, California | 2014 | Project Lead

Alicia performed a soil vapor survey in conformance with the DTSC Advisory Active Soil Gas Investigations, using soil vapor sampling devices and a mobile laboratory for onsite chemical analysis. She also assisted with the report preparation summarizing the findings and providing recommendations for further assessment. Role: Task Lead Manager | Cost: Unknown | Dates involved: 2014

Confidential Clients, Phase I Environmental Site Assessments | Multiple Sites, California, Arizona, New Mexico, Texas, Virginia | Task Manager

Alicia performs Phase I Environmental Site Assessments for multiple confidential clients in accordance with the practices identified in the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM Designation E 1527-13; ASTM E 1527-21; and Standard Practice for Environmental Site Assessments for Forestland or Rural Property, ASTM Designation E 2247-16 to achieve compliance with requirements of the "All Appropriate Inquiries" rule required to obtain protection from liability under the federal Comprehensive Environmental Response, Cleanup and Liability Act (CERCLA). Previous sites include large industrial warehouses, multi-tenant

** denotes projects completed with other firms*

commercial buildings, large lots of vacant land, and residential properties. She reviews topographic maps, Sanborn Fire Insurance Maps, and files at local regulatory agencies. She interviews present and former property owners and performed site and adjacent property reconnaissance. She prepares reports summarizing the findings and provides recommendations for further assessment if applicable. Role: Task Lead Manager | Cost: $3,000-8,000 per report. | Dates involved: 2006-present

Goodyear Portfolio | California and Hawaii | 2005–2020 | Project Lead

Alicia performed Phase I Environmental Site Assessments (ESA) and Phase II Site Assessments for various Goodyear Tire & Rubber Company locations throughout California and Hawaii. She assisted with the installation of monitoring wells and exploratory borings; underground storage tank removals; site restoration; product removal with passive recovery system; archived data onto the State Water Resource Control Board's Geotracker electronic filing system; and assisted with the preparation of quarterly groundwater monitoring reports, sensitive receptor surveys, site conceptual models, and subsurface investigation reports. Approximately 250 Sites • Cost: $8,000 per site.

Jenny Alvarado

Project Biologist
9 years of experience

A wildlife biologist who specializes in the avian and botanical fields, Jenny performs threatened and endangered species surveys, protocol nesting bird surveys, biological resource assessments, habitat characterization surveys, and restoration monitoring across Southern California. Jenny has prepared permit applications for CDFG Streambed Alteration Agreements (CDFG Section 1600), Regional Water Quality Control Board Water Quality Certifications (Clean Water Act Section 401), and U.S. Army Corps of Engineers Permits (Clean Water Act Section 404). Jenny is also experienced with California Environmental Quality Act and National Environmental Policy Act compliance. Although her background is mainly avian biology, she has experience identifying mammals, reptiles, and aquatic species. She performs compliance monitoring for a wide array of clients, including Southern California Gas Company, Plains All American Pipeline, and Caltrans. She assists in preparing Initial Studies, Mitigated Negative Declarations, Environmental Assessments, and Environmental Impact Reports for a variety of land uses. Additionally, she has experience assisting with asbestos and lead building surveys in California and Hawaii.

EDUCATION

Ecology, Zoology, Ornithology, Santa Barbra City College, Santa Barbara, California, 2011

BA, Physical Anthropology, University of California, Santa Barbra, Santa Barbara, California, 2008

AA, Liberal Arts, Ventura College, Ventura, California, 2005

CERTIFICATIONS & TRAINING

Asbestos Building Inspector Initial, Natec International, Inc., Thousand Oaks, California, 2016

Asbestos 40-Hr Contractor/Supervisor, Natec International, Inc., Thousand Oaks, California, 2016

CPR and First Aid Certification, American Red Cross, Port Hueneme, California, 2015

California Plant Family Identification Workshop, California Native Plant Society, Ojai, California, 2015

40-Hr HAZWOPER, OSHA, Temecula, California, 2015

Desert Tortoise Field Techniques Workshop, Desert Tortoise Council, Ridgecrest, California, 2014

Metrolink Contractor Safety Railroad Training, Metrolink, Pico Rivera, California, 2014

10-Hr Industrial Safety Training, OSHA, Ventura, California, 2014

REGISTRATIONS

Certified Erosion, Sediment and Storm Water Inspector #1586, Certified Inspector of Sediment and Erosion Control

Certified Erosion, Sediment and Storm Water Inspector #1586, CISEC, Inc., 6/30/2018

PROJECT EXPERIENCE

WILDLIFE BIOLOGY

Los Angeles County Beaches and Harbors Beach Berm Construction* | Los Angeles County, California | Snowy Plover Monitor

Jenny conducted snowy plover monitoring on five Los Angeles County beaches during berm construction and deconstruction. Daily monitoring reports were submitted to the County.

United Water District, Least Tern Surveys* | United Water Conservation District | Saticoy, California | Biologist

Jenny conducted weekly least tern surveys over two nesting seasons at the United Water facility. She drafted the final results report for the District.

McGrath State Beach Tidewater Goby and Water Quality Monitoring* | California Department of Fish and Wildlife | Ventura, California | Biologist

Jenny conducted daily tidewater goby sein netting surveys and relocation for an emergency construction project in the Santa Clara River estuary. She also performed daily water quality sampling and invasive species removal.

Ormond Beach Snowy Plover and Least Tern Surveys* | California Department of Fish and Wildlife | Ventura, California | Biologist

Jenny conducted protocol nesting bird surveys for the snowy plover and least tern within protected enclosures. Nesting behaviors, nest location, and young were tracked, documented and monitored throughout the nesting season.

California State University Channel Islands, Least Bell's Vireo Surveys* | California State University Channel Islands | Camarillo, California | Biologist

Jenny conducted least Bell's vireo surveys on the CSUCI campus for one nesting season, and assisted in preparation of final reporting.

** denotes projects completed with other firms*

Special-Status Species Surveys* | Recurrent Energy | Kern County, California | Biologist

Jenny conducted desert tortoise, burrowing owl and kit fox surveys for several solar projects across Kern County.

Stantec Architecture, FedEx Construction Site Burrowing Owl Survey | Bloomington, California | Biologist

Jenny performed a pre-construction special status species survey as well as burrowing owl presence/absence surveys in support of a proposed expansion project at a FedEx Ground facility. While conducting the survey, Jenny observed one burrowing owl within the proposed project area and helped coordinate additional protocol surveys in accordance with the project's mitigation requirements.

Luis Oasis Senior Center, Biological Constraints Analysis | Orcutt, California | Biologist

Jenny performed a field reconnaissance survey to document existing site conditions, the potential for sensitive biological resources, and took an inventory of protected native trees. Jenny also drafted the Biological Constraints Analysis Report for the project.

Town Building and Development, ISBA | Ventura County, California | Biologist

Jenny performed a field reconnaissance survey and prepared an ISBA to document existing habitat conditions and the potential for sensitive biological resources in accordance with County of Ventura ISBA requirements.

Algonquin Power, SKIC 10 Solar Project San Joaquin Kit Fox, Burrowing Owl, Nesting Bird and Wildlife Clearance Surveys | Bakersfield, California | Biologist

Jenny performed San Joaquin kit fox, burrowing owl, nesting bird, and wildlife clearance surveys prior to project construction.

Comstock Homes, Burrowing Owl Surveys | Camarillo, California | Biologist

Jenny prepared a proposal and conducted burrowing owl presence/absence surveys for a residential development project in Camarillo. She also concurrently performed a nesting bird survey of the project area and prepared a report of the results.

ENVIRONMENTAL MONITORING

Pipeline Safety Enhancement Plan* | Southern California Gas Company | Ventura and Los Angeles Counties, California | Lead Environmental Monitor

Jenny conducted environmental monitoring for several gas pipeline replacement projects. She monitored biological resources, storm water and air quality, hazardous waste control, and cultural and archaeological resources, as well as performing water and polychlorinated biphenyl sampling. She also conducted pre-construction surveys, prepared project reports, and compliance monitoring documents.

Caltrans Bridge Replacement Project* | Santa Barbara, California | Biologist

Jenny conducted the biological monitoring for two bridge replacements that required monitoring stream diversion installation and removal. She performed aquatic species surveys, nesting bird surveys, and water diversion as well as general construction compliance monitoring.

Biological Monitoring, Line 63 Pipeline Replacement Project | Plains All American Pipeline Company | Castaic, California | Biologist

Jenny conducted biological and restoration monitoring of a petroleum pipeline replacement within the Angeles National Forest. She conducted sensitive species clearance surveys prior to daily construction activities and monitored habitat restoration and Best Management Practices (BMP) installation.

Plains All American Pipeline Drilling Project | Posey Canyon, Angeles National Forest, California | Biologist

Jenny provided biological resource monitoring, and nesting bird and wildlife surveys for a drilling project in the Angeles National Forest.

Riparian Habitat Assessment, Line 63 Replacement Project | Plains All American Pipeline Company (PAALP) | Santa Clara River, Los Angeles County, California | Biologist

Jenny was approved by CDFW as a qualified biological monitor and conducted environmental compliance monitoring for installation of a pipeline through the Santa Clara River via Horizontal Directional Drilling (HDD). During monitoring of construction activities Jenny also surveyed for potential frac- out during HDD operations.

Carpinteria Sanitary District, Carpinteria Creek Aquatic Species Surveys and Horizontal Direction Drilling (HDD) Monitoring | Carpinteria, California | Biologist

Jenny conducted pre-construction aquatic surveys within Carpinteria Creek for red-legged frog, southwestern pond turtle, tidewater goby, and two-striped garter snake. She also provided biological construction monitoring during HDD construction activities within the creek. Jenny detected a frac-out and was able to prevent any frac-out material from entering Carpinteria Creek by promptly alerting project personnel.

Phillips 66 Pipeline Biological Monitoring Project | Phillip 66 Pipeline LLC | Arroyo Grande, California | Biologist

Jenny conducted environmental compliance monitoring for a 5.6 mile pipeline project that crossed the Arroyo Grande Creek and an additional tributary. The project entailed dewatering a 70- foot section of creek and replacing a portion of pipeline underneath. Jenny also conducted SWPPP inspections for the entire project.

** denotes projects completed with other firms*

STREAM/RIVER RESTORATION

California State University Channel Islands, Restoration Monitoring* | Camarillo, California | Biologist

Jenny conducted quarterly and annual qualitative and quantitative monitoring for a creek restoration site on CSUCI campus. She also prepared quarterly status memos and annual restoration monitoring reports in accordance with agency requirements.

Restoration Monitoring* | City of Santa Barbara | Santa Barbara, California | Biologist

Jenny performed quarterly and annual qualitative and quantitative monitoring for two bridge projects over Mission Creek. She prepared annual restoration monitoring reports in accordance with agency requirements.

BOTANICAL SURVEYS

California State University Channel Islands, Vegetation Mapping* | California State University Channel Islands | Camarillo, California | Biologist

Jenny conducted vegetation habitat mapping on CSUCI campus and prepared survey results reports.

Oak Tree Inventory and Vegetation Mapping* | Confidential | Castaic, California | Biologist

Jenny conducted oak tree inventories for several hundred trees and prepared vegetation habitat maps for three adjacent parcels.

High Speed Rail Special-Status Floral Surveys* | Tehachapi, California | Biologist

Jenny conducted focused, rare plant surveys for a portion of a high-speed rail project through Tehachapi.

NATURAL RESOURCE DAMAGE ASSESSMENT AND OIL SPILL RESPONSE

Habitat Restoration Monitoring, Refugio Oil Spill | Plains All American Pipeline Company | Goleta, California | Biologist

Jenny conducted restoration monitoring and assisted with habitat assessments at multiple sites along the California coast following spill cleanup response efforts.

ASBESTOS, LEAD BASED PAINT, AND HAZARDOUS MATERIAL (MERCURY, PCB) ASSESSMENTS

Asbestos and Lead Surveys | Hawaii | Environmental Scientist

Jenny assisted with asbestos and lead surveys for several multi-story buildings for a confidential client. The surveys included exterior and interior sampling, mapping, and reporting. Additionally, inventories of hazardous materials were taken, including potential mercury and PCB-containing materials.

Asbestos and Lead Surveys | Westlake and Thousand Oaks, California | Environmental Scientist

Jenny assisted with asbestos and lead surveys for several shopping centers for a confidential client. The surveys included exterior and interior sampling, mapping, and reporting. Additionally, inventories of hazardous materials were taken, including potential mercury and PCB-containing materials.

PUBLICATIONS

A VanDwerwarker, J Alvarado, P Webb. *Analysis and Interpretation of Intrasite Variability in Paleoethnobotanical Remains: A Consideration and Application of Methods at the Ravensford Site, North Carolina. In: Method and Theory in Paleoethnobotany.*, 2014.

** denotes projects completed with other firms*

Kyle D. Emerson PG, CEG

Managing Principal Geologist

Kyle has more than 28 years of professional experience—17 of those years with Stantec—providing geotechnical and environmental consulting. During the course of his experience, he has been involved with a wide variety of geological and engineering projects. He has been in direct charge of quality control/quality assurance (QA/QC) work for Stantec and previous firms for geological, engineering geological, and environmental services primarily in California. Additionally, Kyle has been a primary contact for Stantec with many different clients (including multi-party actions) and regulatory bodies involving contracting, workplan approvals, site assessments and closures, permitting, remedial action, and litigation support. With regard to litigation services, Kyle has extensive experience providing expert witness testimony, second-party review, and litigation support and analysis.

Kyle's extensive experience includes assessment and remediation of property-specific and regional issues involving soil and groundwater contaminated with petroleum hydrocarbons, chlorinated solvents, heavy metals, pesticides, and PCBs.

He currently serves as the managing principal geologist in Stantec's Redlands, California office.

EDUCATION

Engineering Geology/Hydrogeology, California State University, Los Angeles, California, 1984

AS, General Science, Crafton Hills College, Yucaipa, California, 1975

BS, Geological Sciences, California State University, Long Beach, California, 1982

REGISTRATIONS

Certified Engineering Geologist #1271, State of California Issued 1985, Expires 2011

Professional Geologist #4066, State of California Issued 1985, Expires 2011

PROJECT EXPERIENCE

Bioremediation

Excavation and Treatment of Petroleum-Contaminated Soil

Kyle designed the excavation and treatment of 45,000 cubic yards of petroleum-contaminated soil. Soil treatment included utilizing vapor extraction, combined with bioremediation.

** denotes projects completed with other firms*

Kyle D. Emerson PG, CEG

Managing Principal Geologist

Chemicals & Polymers

Two Former Chemical Plants, Environmental Site Assessments and Remediation, Vernon, California

Mr. Emerson was part of the team for conducting Phase I and Phase II Environmental Site Assessments (ESA) and developing remedial action plans for two former chemical plant sites with 80-year industrial histories. Phase I ESAs used historical files, maps, aerial photographs, available documents, and data from public agencies and historical directories for identifying recognized environmental concerns. Extensive Phase II ESA survey activities aided in identifying below-grade structures such as vaults/USTs, as well as assessing the extent of influence and nature of the contamination. These investigations confirmed the presence of heavy metals, petroleum hydrocarbons, volatile organic compounds, polychlorinated biphenyls, radioactive materials, semi-volatile organic compounds, and polycyclic aromatic compounds in the soils for these sites. Specific areas of concern included former settling ponds, a bone yard, maintenance areas, transformer and substations, wastewater treatment facilities, and above-ground storage tank farms. A conceptual mode was developed for use in a health risk assessment and developed risk-based corrective actions to address potential health and environmental concerns. He assisted with the development and implementation of a remedial action plan, combined administrative controls, engineering controls, and active remediation; this resulted in the cost-effective return of one site to active use, and is reducing health risks to occupants and the public at the second site.

CONFIDENTIAL: Aerospace Adhesives and Coatings Plant, Glendale, California

Mr. Emerson was part of the team that conducted feasibility studies to evaluate remedial alternatives for remediation of chlorinated VOCs, 1,4 dioxane, and hexavalent chromium (CrVI) in soil, soil vapor, and groundwater. Feasibility studies included groundwater pump testing, benchscale column testing to evaluate in situ alternatives for reducing CrVI to the less mobile CrIII valence state, soil vapor extraction, capping, and excavation. Field pilot studies were performed to evaluate the efficiency of various CrVI reductants including the use of ferrous sulfate, calcium polysulfide, emulsified oil, and fructose. Extensive multi-depth soil vapor testing was conducted to evaluate the distribution of VOCs in the subsurface and to support vapor intrusion risk assessment. Feasibility studies were completed in 2008. Remedial actions are expected to be completed in 2011.

Condition Assessments

Assessment and Mitigation of Manufacturing Facility

Kyle managed the assessment and mitigation of an ammunition manufacturing facility covering 1,100 acres in a complex geologic environment. The contaminates involved red and white phosphorous, TNT, chlorinated solvents, solid wastes, and live ordinance.

Soil Contamination Assessment Supervision and Management

Kyle managed and supervised soil contamination assessment and in-situ remediation of heavy metals involving chromium, cadmium, nickel and zinc by chemical fixation to depths in excess of 40 feet below ground surface beneath existing structures within several manufacturing facilities.

** denotes projects completed with other firms*

Kyle D. Emerson PG, CEG

Managing Principal Geologist

Litigation Support and Expert Testimony
Kyle provided litigation support and expert testimony on more than 20 separate projects involving service stations, chlorinated solvent cases, heavy metal, and semi-volatile releases.

Corporate / Office
Commercial Developer - Environmental Remediation of Former Dry Cleaners, El Centro, California
Mr. Emerson was responsible for assessments and remediation at this former dry cleaners which released the dry cleaning chemical tetrachloroethene (PCE) to the ground and underlying groundwater. The work included initial site assessment, agency interaction and negotiations with the California Regional Water Quality Control Board (CRWQCB), and Colorado Basin Region human health risk assessment (HHRA), design and implementation of remedial investigations, feasibility studies, remedial action plans, and implementation of remediation in mitigating chlorinated solvent contamination in vadose and saturated zones at concentrations indicative of DNAPL. The results of the completed remediation, as well as continued confirmation sampling and monitoring, allowed the CRWQCB to issue site closure in 2008. The site has since been redeveloped into a new commercial development.

Environmental Assessments
Siting Studies
Kyle performed initial siting studies for potential Class I, II, and III landfills. The project included detailed geologic mapping, hydrogeological studies, and permeability studies of caps and liners.

Environmental Site Remediation
Assessment and Remedial Design, California (Project Supervisor)
Kyle supervised the assessment and remedial design of a system to eliminate salt brine contamination in shallow perched water horizons in the Yucaipa, San Bernardino, and Riverside areas of southern California.

Design and Installation of Recovery Systems*
Kyle designed and installed numerous free-product recovery systems that successfully recovered product. One of the sites contained product up to 11-feet thick covering more than three city blocks. The dissolved phase had affected a multi-aquifer system and a public drinking water system.

Geophysical Characterizations*
Kyle performed and supervised numerous geophysical characterizations to determine the extent of old landfills. He provided classification studies, landfill gas monitoring, removal verification during grading, methane collection and mitigation plans, permitting, and closure plans.

Domestic Landfill Development*
Kyle designed and supervised the dynamic consolidation of a domestic landfill for development. He used this process to minimize expected settlement to overlying structures. Kyle designed commercial developments on closed landfills that involved complex methane collection and monitoring systems and building settlement controls.

** denotes projects completed with other firms*

Kyle D. Emerson PG, CEG

Managing Principal Geologist

Clay Borrow Site Studies
Kyle performed more than 10 separate clay borrow site studies for determining sources of material to cap landfills; ranged from a 20-acre dry lakebed to a 450-acre parcel in complex folded marine sediments.

Assessment, Clean Up, and Regulatory Support Management, Santa, Monica (Project Manager)
Kyle managed the assessment, clean up, and complex regulatory support of a PRP site in an MTBE case (Charnock subbasin). His work involved more than 20 environmental professionals working full time for two years to complete the assessment and clean up mandated by the regulatory agencies.

Hazardous Waste

San Gabriel Valley Superfund Site, Remediation & Closure of Multiple Source Areas, Industry, California
Mr. Emerson performed feasibility studies to evaluate appropriate and relevant remedial alternatives to mitigate constituents of concern in five AOCs contaminated with chlorinated hydrocarbons, heavy metals, petroleum fuel, and cutting oils. Ultimately, a combination of remedial alternatives was implemented that included large-diameter auger excavation to 45 feet to minimize impacts on facility operations, vapor extraction, vapor intrusion risk assessment, deed restriction, and monitored natural attenuation. At the completion of remedial actions, confirmation soil, soil vapor, and groundwater sampling were conducted and followed with risk assessment to demonstrate that remedial objectives had been achieved. No further action was recently granted by the US EPA and Los Angeles Regional Water Quality Control Board.

Mixed-Use

Port of San Diego Rohr Facility, Chula Vista, California
Mr. Emerson assisted in a detailed subsurface assessment of the Rohr facility. The intent of the assessment was to evaluate the 40-acre former aircraft part manufacturing facility for acquisition by the Port of San Diego for redevelopment into a business park and entertainment complex. The assessment identified the presence of soil, soil vapor, and groundwater impacts by petroleum hydrocarbons, VOCs, heavy metals, PCBs, and semi-volatile organic compounds. He utilized many sampling techniques to assess the limits and concentrations of contaminants in the subsurface. Ultimately, the team was able to develop a cost estimate for potential remedial action cost associated to corrective action to allow redevelopment.

Master Planned Commercial/Residential Redevelopment Project, Whittier, California (Project Manager)
Kyle oversaw the assessment of 26 contiguous properties that are part of a 21-acre master planned commercial/residential redevelopment project. The properties included industrial facilities, platting lines, fuel USTs, and metal processing plants, among others. The estimated cleanup costs are approximately $2 million.

** denotes projects completed with other firms*

Kyle D. Emerson PG, CEG

Managing Principal Geologist

Multi-Unit / Family Residential

Residential Development Assessment, Ventura, California (Project Director)

Kyle directed an assessment of a 40-acre former agricultural property proposed for residential development. Pesticides were identified above hazardous waste levels and preliminary remediation goals established by the U.S. Environmental Protection Agency. Through corrective grading methods and onsite placement of the pesticide impacted soils, all material were re-used on site without offsite disposal. The over all cost savings for the client was more than $1 million. Total cost was less than $250,000 for all necessary activities.

Oil & Gas

Oil Field Site Assessments*

Kyle performed site assessments at oil field leases involving refineries, bulk storage areas, piping systems and wellhead, and drilling mud pit contamination.

Environmental Protection Agency Superfund Action, Culver City, California (Project Manager)

Kyle served as the project manager representing a major oil company in the assessment, remedial action, and litigation support in a multi-party contamination case affecting a City water supply. The assessment involved more than 250 continuous core borings up to 100 feet, as well as extensive remedial actions. The total cost for all related activities was $22 million. The case is settled and the closure of the site is pending.

Project Management

Liability and Property Management Consulting Services

Kyle is providing liability and property management consulting services to more than 10 medium to large property development firms in the US. His work involves property transaction assessments, contract review, acquisition guideline development, liability management evaluation, insurance acquisition, and strategic planning.

Residential Development

Environmental Development Management and Review (Project Manager)

Kyle manages and reviews environmental development issues for a large residential developer specializing in development of contaminated industrial properties by providing innovative solutions in developing contaminated properties for residential use through risk assessment, engineering, and administrative and property development controls.

Site Management and Remediation

Design and Implementation of Biodegradation Programs*, California

Kyle designed and implemented one of the first in-situ biodegradation programs in California; it involved 50,000 cubic yards of diesel-contaminated soils, and groundwater to depths of 70 feet below ground surface.

** denotes projects completed with other firms*

Kyle D. Emerson PG, CEG

Managing Principal Geologist

Soil and Groundwater Remediation Systems

Soil and Groundwater Contamination Assessments and Mitigation*, California (Project Manager)

Kyle managed numerous chlorinated solvent soil and groundwater contamination assessments and mitigation programs in southern California. The projects involved releases that impacted soil and groundwater to depth of groundwater more than 700 feet in multi-aquifer systems. One case involved with plume dimensions more than 1 mile from the source affecting residential properties.

Soil and Groundwater Assessment and Remediation Programs*

Implemented hundreds of soil and groundwater assessment and remediation programs at various service station facilities in Southern and Northern California, and Nevada. Work involved assessment, remedial design, installation, maintenance and monitoring. Closure has been received on a majority of these sites.

Assessment and Remediation Management*

Kyle managed the assessment and remediation of soil and groundwater manufacturing at dry cleaning facilities contaminated with chlorinated solvents.

Warehouse / Light Industrial

Glendale Redevelopment Project, Glendale, California (Project Manager)

Kyle managed the assessment and remedial actions during the redevelopment of and industrial property. The project involved the demolition of a historic manufacturing facility and a commercial dry cleaner. Each of these facilities were associated with releases of solvents and petroleum hydrocarbons. Remedial actions involved excavation by pattern drilling and off site disposal along with removal of former USTs. The total cost of remediation and assessment was $450,000.00.

Compton Redevelopment Project, Compton, California (Project Manager)

Kyle is serving as project manager for the assessment and remedial actions for a large redevelopment project. The project involves the redevelopment of a historic manufacturing facility and a former dry cleaner. Each of these facilities were associated with releases of solvents and petroleum hydrocarbons. The industrial facility was also associated with significant volumes of buried waste that required removal and disposal. These wastes also included the chemical referenced above, as well as PCBs and heavy metals. Remediation has included excavation, vapor extraction, and chemical fixation. The total cost of this project has been $2.8 million to date.

** denotes projects completed with other firms*

Kyle D. Emerson PG, CEG

Managing Principal Geologist

PUBLICATIONS

In-Situ Bioremediation of an Underground Diesel Fuel Spill: A Case Study. Environmental Management, 1989.

APPENDIX C
USER-PROVIDED RECORDS

PHASE I ESA USER'S QUESTIONNAIRE

In order to qualify for protection from land owner liability under CERCLA as an *innocent landowner, bona fide prospective purchaser,* or *contiguous property owner*, ASTM standard practice E1527-21 and the federal AAI rule (40 CFR 312) require that the User of the Phase I ESA report provide certain information (if available) to the Environmental Professional completing the assessment. Failure to provide this information could result in a determination that "all appropriate inquiry" is not complete. Information that is not or cannot be provided to the Environmental Professional may be identified as a "data gap" in the Phase I ESA report.

Please answer the following questions as completely as possible. Attach additional pages as needed. Return the completed questionnaire to Stantec along with the executed Authorization For services form.

1. Property Information

Property Name: Grace Baptist Church_____

Property Address(es): 5802 Santa Catalina_____

City: Garden Grove State CA_____Zip 92845_____

Property Owner Name: Grace Baptist Church_____

Property Owner Phone #: Not Required this is a open lot no gates_____

2. Contact For Site Access

Name: Sarah Eskandari_____

Company/Organization/Title: Brandywine Homes, Project Manager_____

Phone # 949 798 9579 E-Mail Address: Sarah@brandywine-homes.com_____

3. Environmental Cleanup Liens. Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law?

_____ Yes _____X_____ No

If yes, describe or attach details of the lien _____

_____

4. Activity and Land Use Limitations. Are you aware of any activity and use limitations, such as engineering controls, land use restrictions, or institutional controls that are in place at the property and/or have been filed or recorded as applicable to the property as a result of environmental contamination, investigation, cleanup, or related matters?

_____ Yes _____X____ No

If yes, describe or attach details of the limitations _____

_____

5. Specialized Knowledge or Experience. As the User of this ESA, do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property, such that you would have specialized knowledge about chemicals and processes used by this type of business?

_____ Yes _____X____ No

If yes, describe or attach details of your specialized knowledge or experience _____
_____

6. Relationship of Purchase Price to Fair Market Value of Property. Does the purchase price being paid for the property reasonably reflect the fair market value?

X_____Yes _____No

_____Not applicable. User is not involved in a purchase of the property.

If you conclude that there is a difference, do you have any reason to believe that the reduced purchase price may be related to contamination known or believed to be present at the property?

_____Yes, I have reason to believe that the purchase price for the property has been reduced in comparison with the fair market value due to contamination known or believed to be present at the property.

_____No, I have no reason to believe that the purchase price for the property has been reduced in comparison with the fair market value due to contamination known or believed to be present at the property.

7. Commonly Known or Reasonably Ascertainable Information. Are you aware of commonly known or reasonably ascertainable information about the property that would help the Environmental Professional to identify conditions indicative of releases or threatened releases of hazardous substances or petroleum products? For example:

Do you know the past uses of the property?
_____X___Yes (describe) _____Used as a Parking Lot_____
_____
_____
_____
_____No

Do you know of chemicals, hazardous substances or petroleum products that are present or once were present at the property?
_____Yes (describe) _____
_____
_____
_____XNo

Do you know of spills or other releases of chemicals, hazardous substances or petroleum products that have taken place at the property?

_____Yes (describe) _____

_____

_____

X_____No

Do you know of any environmental cleanups that have taken place at the property?

_____Yes (describe) _____

_____

_____

X_____No

8. The Degree of Obviousness of Contamination. E1527-21 and the federal AAI rule (40 CFR 312.31) require that the Phase I ESA consider the degree of obviousness of the presence or likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation. Based on your knowledge and experience related to the property, are there any *obvious* indictors that point to the presence or likely presence of contamination at the property?

_____Yes (describe) _____

_____

_____

X_____No

9. Availability of Previous Environmental Reports. Are you aware of previous environmental site assessment reports, other environmental reports, documents, correspondence, etc. concerning the property and its environmental condition?

_____Yes (describe) _____

_____

_____

_____X No

Signature: Sarah Eskandari

Name (printed): Sarah Eskandari

Title: Senior Project Manager

Date: 12/11/23

Update #2

First American Title Company

1250 Corona Pointe Court, Ste 200
Corona, CA 92879

Stephen J Edwards
Brandywine Homes
16580 Aston Street
Irvine, CA 92606

Customer Reference:	APN: 224-212-01
Order Number:	OSA-7043468 (tc)
Title Officer:	Terrell Crutchfield
Phone:	(951)256-5879
Fax No.:	(866)558-2872
E-Mail:	tcrutchfield@firstam.com
Buyer:	
Property:	5802 Santa Catalina Avenue Garden Grove, CA

PRELIMINARY REPORT

In response to the above referenced application for a policy of title insurance, this company hereby reports that it is prepared to issue, or cause to be issued, as of the date hereof, a Policy or Policies of Title Insurance describing the land and the estate or interest therein hereinafter set forth, insuring against loss which may be sustained by reason of any defect, lien or encumbrance not shown or referred to as an Exception below or not excluded from coverage pursuant to the printed Schedules, Conditions and Stipulations of said Policy forms.

The printed Exceptions and Exclusions from the coverage and Limitations on Covered Risks of said policy or policies are set forth in Exhibit A attached. *The policy to be issued may contain an arbitration clause. When the Amount of Insurance is less than that set forth in the arbitration clause, all arbitrable matters shall be arbitrated at the option of either the Company or the Insured as the exclusive remedy of the parties.* Limitations on Covered Risks applicable to the CLTA and ALTA Homeowner's Policies of Title Insurance which establish a Deductible Amount and a Maximum Dollar Limit of Liability for certain coverages are also set forth in Exhibit A. Copies of the policy forms should be read. They are available from the office which issued this report.

Please read the exceptions shown or referred to below and the exceptions and exclusions set forth in Exhibit A of this report carefully. The exceptions and exclusions are meant to provide you with notice of matters which are not covered under the terms of the title insurance policy and should be carefully considered.

It is important to note that this preliminary report is not a written representation as to the condition of title and may not list all liens, defects, and encumbrances affecting title to the land.

Please be advised that any provision contained in this document, or in a document that is attached, linked or referenced in this document, that under applicable law illegally discriminates against a class of individuals based

upon personal characteristics such as race, color, religion, sex, sexual orientation, gender identity, familial status, disability, national origin, or any other legally protected class, is illegal and unenforceable by law.

This report (and any supplements or amendments hereto) is issued solely for the purpose of facilitating the issuance of a policy of title insurance and no liability is assumed hereby. If it is desired that liability be assumed prior to the issuance of a policy of title insurance, a Binder or Commitment should be requested.

Dated as of November 22, 2023 at 7:30 A.M.

The form of Policy of title insurance contemplated by this report is:

To Be Determined

A specific request should be made if another form or additional coverage is desired.

Title to said estate or interest at the date hereof is vested in:

GRACE BAPTIST CHURCH OF GARDEN GROVE, FORMERLY FIRST BAPTIST CHURCH OF LOS ALAMITOS

The estate or interest in the land hereinafter described or referred to covered by this Report is:

Fee

The Land referred to herein is described as follows:

(See attached Legal Description)

At the date hereof exceptions to coverage in addition to the printed Exceptions and Exclusions in said policy form would be as follows:

1. General and special taxes and assessments for the fiscal year 2023-2024.

First Installment:	$709.26, PAID
Penalty:	$0.00
Second Installment:	$709.26, OPEN
Penalty:	$0.00
Tax Rate Area:	18-069
A. P. No.:	224-212-01

2. The lien of supplemental taxes, if any, assessed pursuant to Chapter 3.5 commencing with Section 75 of the California Revenue and Taxation Code.

3. An easement for PUBLIC UTILITIES and incidental purposes in the document recorded as BOOK 5028, PAGE 430 of Official Records.

   (Affects THE SOUTHERLY 5 FEET OF PARCEL 1)

4. An easement for PUBLIC UTILITIES and incidental purposes in the document recorded as BOOK 5028, PAGE 526 of Official Records.

(Affects THE NORTHERLY 6 FEET OF PARCEL 2)

5. Intentionally Deleted

6. A deed of trust to secure an original indebtedness of $660,000.00 recorded May 05, 1997 as INSTRUMENT NO. 19970206167 OF OFFICIAL RECORDS.

Dated:	April 23, 1997
Trustor:	GRACE BAPTIST CHURCH OF GARDEN GROVE, INC.
Trustee:	RELIANCE TRUST COMPANY
Beneficiary:	RELIANCE TRUST COMPANY, A BANK AND TRUST COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF GEORGIA

7. A deed of trust to secure an original indebtedness of $548,987.00 recorded March 12, 2003 as INSTRUMENT NO. 2003000272595 OF OFFICIAL RECORDS.

Dated:	March 11, 2003
Trustor:	GRACE BAPTIST CHURCH OF GARDEN GROVE, INC, FORMERLY FIRST BAPTIST CHURCH OF LOS ALAMITOS
Trustee:	TD SERVICE COMPANY
Beneficiary:	EVANGELICAL CHRISTIAN CREDIT UNION

A document entitled "ASSIGNMENT OF LEASES AND RENTS" recorded March 12, 2003 as INSTRUMENT NO. 2003000272596 of Official Records, as additional security for the payment of the indebtedness secured by the deed of trust recorded March 12, 2003 as INSTRUMENT NO. 2003000272595 of Official Records.

The terms and provisions contained in the document entitled "SUBORDINATION AGREEMENT" recorded March 12, 2003 as INSTRUMENT NO. 2003000272597 of Official Records.

A document recorded July 19, 2013 as INSTRUMENT NO. 2013000432279 OF OFFICIAL RECORDS provides that the deed of trust or the obligation secured thereby has been modified.

The terms and provisions contained in the document entitled "SUBORDINATION AGREEMENT" recorded July 19, 2013 as INSTRUMENT NO. 2013000432280 of Official Records.

A document recorded November 30, 2018 as INSTRUMENT NO. 2018000450143 OF OFFICIAL RECORDS provides that the deed of trust or the obligation secured thereby has been modified.

The terms and provisions contained in the document entitled "SUBORDINATION, NON-DISTURBANCE AND ATTORNMENT AGREEMENT" recorded November 30, 2018 as INSTRUMENT NO. 2018000450144 of Official Records.

8. Water rights, claims or title to water, whether or not shown by the Public Records.

9. Rights of parties in possession.

Prior to the issuance of any policy of title insurance, the Company will require:

10. Authority documents for all parties executing documents including the following:

With respect to GRACE BAPTIST CHURCH OF GARDEN GROVE, FORMERLY FIRST BAPTIST CHURCH OF LOS ALAMITOS: Evidence that the corporation is properly formed and in good standing in the state of its domicile. An official copy of the bylaws for the corporation. A copy of a resolution of the Board of Directors authorizing the contemplated transaction and designating which corporate officers shall have the power to execute on behalf of the corporation. Other requirements which the Company may impose following its review of the material required herein and other information which the Company may require.

INFORMATIONAL NOTES

Note: The policy to be issued may contain an arbitration clause. When the Amount of Insurance is less than the certain dollar amount set forth in any applicable arbitration clause, all arbitrable matters shall be arbitrated at the option of either the Company or the Insured as the exclusive remedy of the parties. If you desire to review the terms of the policy, including any arbitration clause that may be included, contact the office that issued this Commitment or Report to obtain a sample of the policy jacket for the policy that is to be issued in connection with your transaction.

1. According to the latest available equalized assessment roll in the office of the county tax assessor, there is located on the land a(n) COMMERCIAL STRUCTURE known as 5802 SANTA CATALINA AVENUE, GARDEN GROVE, CALIFORNIA.

2. According to the public records, there has been no conveyance of the land within a period of twenty-four months prior to the date of this report, except as follows:

   None

The map attached, if any, may or may not be a survey of the land depicted hereon. First American expressly disclaims any liability for loss or damage which may result from reliance on this map except to the extent coverage for such loss or damage is expressly provided by the terms and provisions of the title insurance policy, if any, to which this map is attached.

LEGAL DESCRIPTION

Real property in the City of Garden Grove, County of Orange, State of California, described as follows:

PARCEL 1:

LOTS 49, 50, 51, 52, 53 AND 54 OF TRACT NO. 3575, AS PER MAP RECORDED IN BOOK 122, PAGES 46 TO 49 INCLUSIVE OF MISCELLANEOUS MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

EXCEPTING THEREFROM ONE-HALF OF ALL THE MINERALS, GAS, OILS, PETROLEUM, NAPHTHA AND OTHER HYDROCARBON SUBSTANCES, IN, ON OR UNDER SAID LAND, AS RESERVED IN THE DEED FROM ERNEST A. BRYANT, JR. AND ALLEN L. CHICKERING, AS EXECUTORS OF THE LAST WILL AND TESTAMENT OF SUSANNA BIXBY BRYANT, DECEASED TO ALE TUINHOUT AND WIFE, RECORDED JULY 5, 1947 IN BOOK 1533, PAGE 249, OFFICIAL RECORDS.

BY A QUITCLAIM DEED RECORDED JULY 13, 1959 IN BOOK 4795, PAGE 522, OFFICIAL RECORDS, ALL INTEREST AND RIGHTS WERE RELINQUISHED ABOVE A DEPTH OF 500 FEET FROM THE SURFACE THEREOF.

ALSO EXCEPTING THEREFROM ALL WATER AND SUBSURFACE WATER RIGHTS, WITHOUT THE RIGHT OF SURFACE ENTRY, AS DEDICATED OR RESERVED IN INSTRUMENTS OF RECORD.

PARCEL 2:

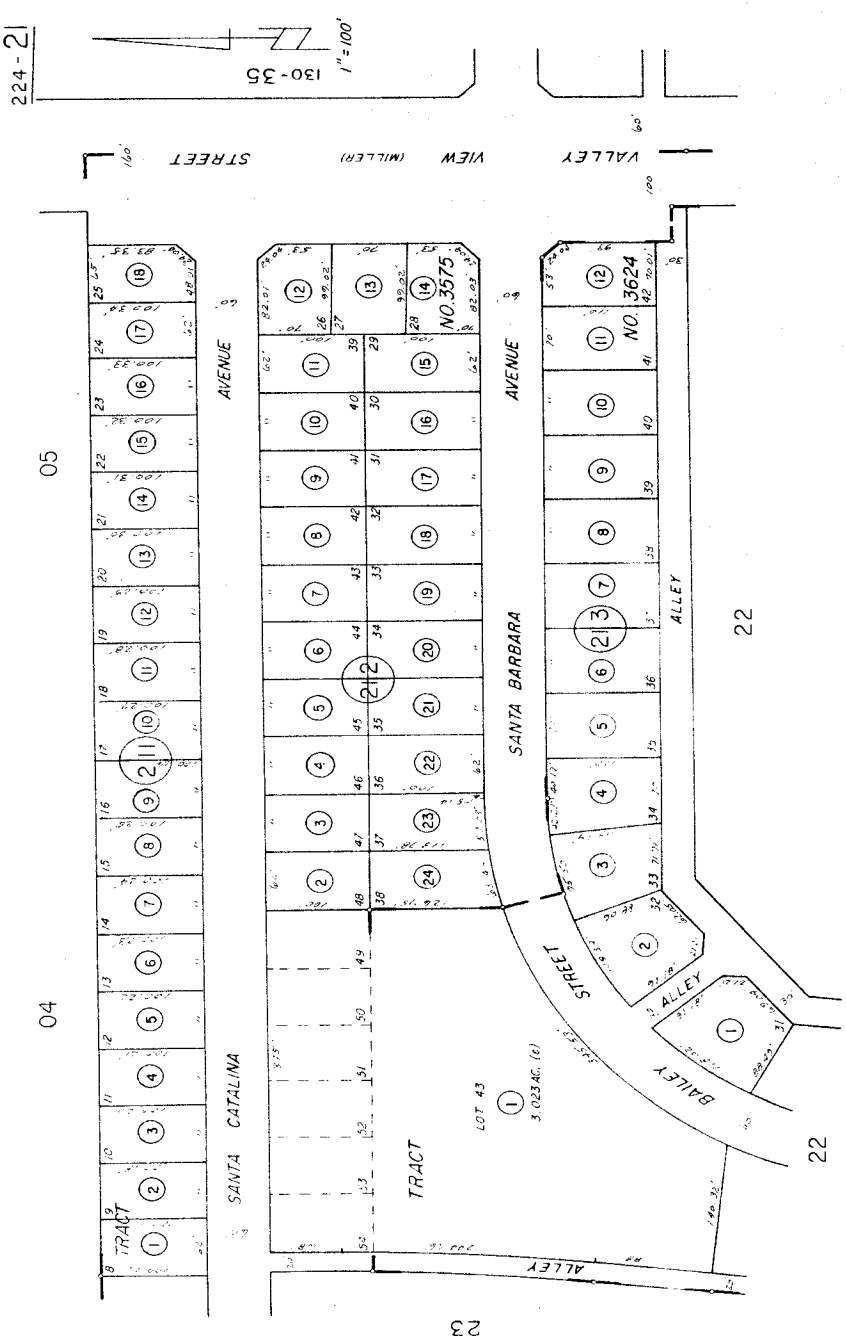
LOT 43 OF TRACT NO. 3624, AS PER MAP RECORDED IN BOOK 125, PAGES 31, 32 AND 33 OF MISCELLANEOUS MAPS, IN THE OFFICE OF THE COUNTY RECORDER SAID COUNTY.

EXCEPTING THEREFROM ONE-HALF OF ALL THE MINERALS, GAS, OILS, PETROLEUM, NAPHTHA AND OTHER HYDROCARBON SUBSTANCES, IN, ON OR UNDER SAID LAND, AS RESERVED IN THE DEED FROM ERNEST A. BRYANT, JR. AND ALLEN L. CHICKERING, AS EXECUTORS OF THE LAST WILL AND TESTAMENT OF SUSANNA BIXBY BRYANT, DECEASED TO ALE TUINHOUT AND WIFE, RECORDED JULY 5, 1947 IN BOOK 1533, PAGE 249, OFFICIAL RECORDS.

BY A QUITCLAIM DEED RECORDED JULY 13, 1959 IN BOOK 4795, PAGE 522, OFFICIAL RECORDS, ALL INTEREST AND RIGHTS WERE RELINQUISHED ABOVE A DEPTH OF 500 FEET FROM THE SURFACE THEREOF.

ALSO EXCEPTING THEREFROM ALL UNDERGROUND WATERS LYING BENEATH SAID LAND, BUT WITHOUT THE RIGHT OF SURFACE ENTRY TO THE SURFACE THEREOF, AS GRANTED TO THE CITY OF GARDEN GROVE, A MUNICIPAL CORPORATION, BY DEED RECORDED DECEMBER 29, 1959 IN BOOK 5034 PAGE 572, OFFICIAL RECORDS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

APN: 224-212-01



ASSESSOR'S MAP
BOOK 224 PAGE 21
COUNTY OF ORANGE

NOTE - ASSESSOR'S BLOCK & PARCEL NUMBERS SHOWN IN CIRCLES

TRACT NO.3575 M.M. 122-46 TO 49 INC.
TRACT NO.3624 M.M. 125-31, 32, 33

MARCH 1975

NOTICE

Section 12413.1 of the California Insurance Code, effective January 1, 1990, requires that any title insurance company, underwritten title company, or controlled escrow company handling funds in an escrow or sub-escrow capacity, wait a specified number of days after depositing funds, before recording any documents in connection with the transaction or disbursing funds. This statute allows for funds deposited by wire transfer to be disbursed the same day as deposit. In the case of cashier's checks or certified checks, funds may be disbursed the next day after deposit. In order to avoid unnecessary delays of three to seven days, or more, please use wire transfer, cashier's checks, or certified checks whenever possible.

EXHIBIT A
LIST OF PRINTED EXCEPTIONS AND EXCLUSIONS (BY POLICY TYPE)

CLTA/ALTA HOMEOWNER'S POLICY OF TITLE INSURANCE [(07-01-2021) v. 01.00]
EXCLUSIONS FROM COVERAGE

The following matters are excluded from the coverage of this policy and We will not pay loss or damage, costs, attorneys' fees, or expenses that arise by reason of:

1. a. any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) that restricts, regulates, prohibits, or relates to:
   i. the occupancy, use, or enjoyment of the Land;
   ii. the character, dimensions, or location of any improvement on the Land;
   iii. the subdivision of land; or
   iv. environmental remediation or protection.
   b. any governmental forfeiture, police, or regulatory, or national security power.
   c. the effect of a violation or enforcement of any matter excluded under Exclusion 1.a. or 1.b.
   Exclusion 1 does not modify or limit the coverage provided under Covered Risk 8.a., 14, 15, 16, 18, 19, 20, 23, or 27.
2. Any power to take the Land by condemnation. Exclusion 2 does not modify or limit the coverage provided under Covered Risk 17.
3. Any defect, lien, encumbrance, adverse claim, or other matter:
   a. created, suffered, assumed, or agreed to by You;
   b. not Known to Us, not recorded in the Public Records at the Date of Policy, but Known to You and not disclosed in writing to Us by You prior to the date You became an Insured under this policy;
   c. resulting in no loss or damage to You;
   d. attaching or created subsequent to the Date of Policy (Exclusion 3.d. does not modify or limit the coverage provided under Covered Risk 5, 8.f., 25, 26, 27, 28, or 32); or
   e. resulting in loss or damage that would not have been sustained if You paid consideration sufficient to qualify You as a bona fide purchaser of the Title at the Date of Policy.
4. Lack of a right:
   a. to any land outside the area specifically described and referred to in Item 3 of Schedule A; and
   b. in any street, road, avenue, alley, lane, right-of-way, body of water, or waterway that abut the Land.
   Exclusion 4 does not modify or limit the coverage provided under Covered Risk 11 or 21.
5. The failure of Your existing structures, or any portion of Your existing structures, to have been constructed before, on, or after the Date of Policy in accordance with applicable building codes. Exclusion 5 does not modify or limit the coverage provided under Covered Risk 14 or 15.
6. Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights law, that the transfer of the Title to You is a:
   a. fraudulent conveyance or fraudulent transfer;
   b. voidable transfer under the Uniform Voidable Transactions Act; or
   c. preferential transfer:
      i. to the extent the instrument of transfer vesting the Title as shown in Schedule A is not a transfer made as a contemporaneous exchange for new value; or
      ii. for any other reason not stated in Covered Risk 30.
7. Contamination, explosion, fire, flooding, vibration, fracturing, earthquake, or subsidence.
8. Negligence by a person or an entity exercising a right to extract or develop oil, gas, minerals, groundwater, or any other subsurface substance.
9. Any lien on Your Title for real estate taxes or assessments imposed or collected by a governmental authority that becomes due and payable after the Date of Policy. Exclusion 9 does not modify or limit the coverage provided under Covered Risk 8.a. or 27.
10. Any discrepancy in the quantity of the area, square footage, or acreage of the Land or of any improvement to the Land.

LIMITATIONS ON COVERED RISKS

Your insurance for the following Covered Risks is limited on the Owner's Coverage Statement as follows:
For Covered Risk 16, 18, 19, and 21 Your Deductible Amount and Our Maximum Dollar Limit of Liability shown in Schedule A.
The deductible amounts and maximum dollar limits shown on Schedule A are as follows:

	Your Deductible Amount	Our Maximum Dollar Limit of Liability
Covered Risk 16:	1% of Policy Amount Shown in Schedule A or $2,500 (whichever is less)	$10,000
Covered Risk 18:	1% of Policy Amount Shown in Schedule A or $5,000 (whichever is less)	$25,000
Covered Risk 19:	1% of Policy Amount Shown on Schedule A or $5,000 (whichever is less)	$25,000
Covered Risk 21:	1% of Policy Amount Shown on Schedule A or $2,500 (whichever is less)	$5,000

ALTA OWNER'S POLICY [(07-01-2021) V. 01.00]
CLTA STANDARD COVERAGE OWNER'S POLICY [(02-04-22) V. 01.00]
EXCLUSIONS FROM COVERAGE

The following matters are excluded from the coverage of this policy, and the Company will not pay loss or damage, costs, attorneys' fees, or expenses that arise by reason of:

1. a. any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) that restricts, regulates, prohibits, or relates to:
   i. the occupancy, use, or enjoyment of the Land;
   ii. the character, dimensions, or location of any improvement on the Land;
   iii. the subdivision of land; or
   iv. environmental remediation or protection.
   b. any governmental forfeiture, police, regulatory, or national security power.
   c. the effect of a violation or enforcement of any matter excluded under Exclusion 1.a. or 1.b.

Exclusion 1 does not modify or limit the coverage provided under Covered Risk 5 or 6.

2. Any power of eminent domain. Exclusion 2 does not modify or limit the coverage provided under Covered Risk 7.
3. Any defect, lien, encumbrance, adverse claim, or other matter:
   a. created, suffered, assumed, or agreed to by the Insured Claimant;
   b. not Known to the Company, not recorded in the Public Records at the Date of Policy, but Known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;
   c. resulting in no loss or damage to the Insured Claimant;
   d. attaching or created subsequent to the Date of Policy (Exclusion 3.d. does not modify or limit the coverage provided under Covered Risk 9 or 10); or
   e. resulting in loss or damage that would not have been sustained if consideration sufficient to qualify the Insured named in Schedule A as a bona fide purchaser had been given for the Title at the Date of Policy.
4. Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights law, that the transaction vesting the Title as shown in Schedule A is a:
   a. fraudulent conveyance or fraudulent transfer;
   b. voidable transfer under the Uniform Voidable Transactions Act; or
   c. preferential transfer:
      i. to the extent the instrument of transfer vesting the Title as shown in Schedule A is not a transfer made as a contemporaneous exchange for new value; or
      ii. for any other reason not stated in Covered Risk 9.b.
5. Any claim of a PACA-PSA Trust. Exclusion 5 does not modify or limit the coverage provided under Covered Risk 8.
6. Any lien on the Title for real estate taxes or assessments imposed or collected by a governmental authority that becomes due and payable after the Date of Policy. Exclusion 6 does not modify or limit the coverage provided under Covered Risk 2.b.
7. Any discrepancy in the quantity of the area, square footage, or acreage of the Land or of any improvement to the Land.

NOTE: The 2021 ALTA Owner's Policy may be issued to afford either Standard Coverage or Extended Coverage. In addition to variable exceptions such as taxes, easements, CC&R's, etc., the Exceptions from Coverage in a Standard Coverage policy will also include the Western Regional Standard Coverage Exceptions listed below as numbers 1 through 7. The 2021 CLTA Standard Coverage Owner's Policy will include the Western Regional Standard Coverage Exceptions listed below as numbers 1 through 7.

EXCEPTIONS FROM COVERAGE

Some historical land records contain Discriminatory Covenants that are illegal and unenforceable by law. This policy treats any Discriminatory Covenant in a document referenced in Schedule B as if each Discriminatory Covenant is redacted, repudiated, removed, and not republished or recirculated. Only the remaining provisions of the document are excepted from coverage.

This policy does not insure against loss or damage and the Company will not pay costs, attorneys' fees, or expenses resulting from the terms and conditions of any lease or easement identified in Schedule A, and the following matters:

1. (a) Taxes or assessments that are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the Public Records; (b) proceedings by a public agency that may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the Public Records.
2. Any facts, rights, interests, or claims that are not shown by the Public Records but that could be ascertained by an inspection of the Land or that may be asserted by persons in possession of the Land.
3. Easements, liens or encumbrances, or claims thereof, not shown by the Public Records.
4. Any encroachment, encumbrance, violation, variation, or adverse circumstance affecting the Title that would be disclosed by an accurate and complete land survey of the Land and not shown by the Public Records.
5. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b), or (c) are shown by the Public Records.
6. Any lien or right to a lien for services, labor or material unless such lien is shown by the Public Records at Date of Policy.
7. Any claim to (a) ownership of or rights to minerals and similar substances, including but not limited to ores, metals, coal, lignite, oil, gas,

uranium, clay, rock, sand, and gravel located in, on, or under the Land or produced from the Land, whether such ownership or rights arise by lease, grant, exception, conveyance, reservation, or otherwise; and (b) any rights, privileges, immunities, rights of way, and easements associated therewith or appurtenant thereto, whether or not the interests or rights excepted in (a) or (b) appear in the Public Records or are shown in Schedule B.

2006 ALTA OWNER'S POLICY (06-17-06)
EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy, and the Company will not pay loss or damage, costs, attorneys' fees, or expenses that arise by reason of:

1. (a) Any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to
   (i) the occupancy, use, or enjoyment of the Land;
   (ii) the character, dimensions, or location of any improvement erected on the Land;
   (iii) the subdivision of land; or
   (iv) environmental protection;

   or the effect of any violation of these laws, ordinances, or governmental regulations. This Exclusion 1(a) does not modify or limit the coverage provided under Covered Risk 5.
   (b) Any governmental police power. This Exclusion 1(b) does not modify or limit the coverage provided under Covered Risk 6.
2. Rights of eminent domain. This Exclusion does not modify or limit the coverage provided under Covered Risk 7 or 8.
3. Defects, liens, encumbrances, adverse claims, or other matters
   (a) created, suffered, assumed, or agreed to by the Insured Claimant;
   (b) not Known to the Company, not recorded in the Public Records at Date of Policy, but Known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;
   (c) resulting in no loss or damage to the Insured Claimant;
   (d) attaching or created subsequent to Date of Policy (however, this does not modify or limit the coverage provided under Covered Risk 9 and 10); or
   (e) resulting in loss or damage that would not have been sustained if the Insured Claimant had paid value for the Title.
4. Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that the transaction vesting the Title as shown in Schedule A, is
   (a) a fraudulent conveyance or fraudulent transfer; or
   (b) a preferential transfer for any reason not stated in Covered Risk 9 of this policy.
5. Any lien on the Title for real estate taxes or assessments imposed by governmental authority and created or attaching between Date of Policy and the date of recording of the deed or other instrument of transfer in the Public Records that vests Title as shown in Schedule A.

NOTE: The 2006 ALTA Owner's Policy may be issued to afford either Standard Coverage or Extended Coverage. In addition to variable exceptions such as taxes, easements, CC&R's, etc., the Exceptions from Coverage in a Standard Coverage policy will also include the Western Regional Standard Coverage Exceptions listed below as numbers 1 through 7.

EXCEPTIONS FROM COVERAGE

This policy does not insure against loss or damage, and the Company will not pay costs, attorneys' fees or expenses, that arise by reason of:

The above policy form may be issued to afford either Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage policy will also include the following Exceptions from Coverage:

1. (a) Taxes or assessments that are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the Public Records; (b) proceedings by a public agency that may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the Public Records.
2. Any facts, rights, interests, or claims that are not shown in the Public Records but that could be ascertained by an inspection of the Land or that may be asserted by persons in possession of the Land.
3. Easements, liens or encumbrances, or claims thereof, not shown by the Public Records.
4. Any encroachment, encumbrance, violation, variation, or adverse circumstance affecting the Title that would be disclosed by an accurate and complete land survey of the Land and that are not shown by the Public Records.
5. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b), or (c) are shown by the Public Records.
6. Any lien or right to a lien for services, labor or material unless such lien is shown by the Public Records at Date of Policy.
7. Any claim to (a) ownership of or rights to minerals and similar substances, including but not limited to ores, metals, coal, lignite, oil, gas, uranium, clay, rock, sand, and gravel located in, on, or under the Land or produced from the Land, whether such ownership or rights arise by lease, grant, exception, conveyance, reservation, or otherwise; and (b) any rights, privileges, immunities, rights of way, and easements associated therewith or appurtenant thereto, whether or not the interests or rights excepted in (a) or (b) appear in the Public Records or are shown in Schedule B.

APPENDIX D
ENVIRONMENTAL AGENCY DATABASE SEARCH REPORT

5802 Santa Catalina
5802 Santa Catalina
Garden Grove, CA 92845

Inquiry Number: 7519416.2s
December 13, 2023

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION	PAGE
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	9
Orphan Summary	604
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting SSURGO Soil Map	A-6
Physical Setting Source Map	A-11
Physical Setting Source Map Findings	A-13
Physical Setting Source Records Searched	PSGR-1

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527 - 21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E2247 - 16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E1528 - 22) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

5802 SANTA CATALINA
GARDEN GROVE, CA 92845

COORDINATES

Latitude (North):	33.7908630 - 33˚ 47' 27.10''
Longitude (West):	118.0320170 - 118˚ 1' 55.26''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	404458.4
UTM Y (Meters):	3739252.5
Elevation:	32 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	50004889 LOS ALAMITOS, CA
Version Date:	2021

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20200505
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
5802 SANTA CATALINA
GARDEN GROVE, CA 92845

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
Reg	NG TS AFRC LOS ALAMI		DOD	Same	1108, 0.210, NW
A1	SEAN REDMOND	11822 SAINT MARK ST	RCRA NonGen / NLR	Higher	74, 0.014, West
A2	VALERIE BRIGHAM	11831 SAINT MARK ST	RCRA NonGen / NLR	Higher	207, 0.039, WSW
B3	SEAN SUTER	5814 APIA DR	RCRA NonGen / NLR	Higher	364, 0.069, North
B4	YANFEI WEI	5814 APIA DRIVE	RCRA NonGen / NLR	Higher	364, 0.069, North
C5	VELMA VON BLOCKER	5714 APIA DRIVE	RCRA NonGen / NLR	Higher	502, 0.095, NW
B6	PETER GEORGE	11691 RABAUL DR	RCRA NonGen / NLR	Higher	521, 0.099, North
B7	IAN KOKOT	11681 RABAUL DR	RCRA NonGen / NLR	Higher	574, 0.109, North
B8	SAENZ, JEFF	11672 RABAUL DRIVE	RCRA NonGen / NLR	Higher	592, 0.112, North
C9	NANCY LAN	11679 MIDWAY DRIVE	RCRA NonGen / NLR	Higher	619, 0.117, NNW
D10	PAUL KUBIT	11687 GUAM CIRCLE	RCRA NonGen / NLR	Higher	652, 0.123, NE
E11	DUANNE GREAVER	11654 MANILA DR	RCRA NonGen / NLR	Higher	681, 0.129, NNE
F12	2041 VONS A SAFEWAY	11861 VALLEY VIEW ST	CERS HAZ WASTE, HWTS, HAZNET, CERS	Higher	692, 0.131, ESE
F13	VONS STORE #2041	11861 VALLEY VIEW ST	RCRA NonGen / NLR	Higher	692, 0.131, ESE
F14	VONS STORE #2041	11861 VALLEY VIEW ST	RCRA NonGen / NLR	Higher	692, 0.131, ESE
D15	STEPHEN ADAMSON	5907 NOUMEA ST	RCRA NonGen / NLR	Higher	741, 0.140, NNE
E16	TIEN DINH	11645 JAVA	RCRA NonGen / NLR	Higher	745, 0.141, NNE
D17	MATTHEW THOMAS	5927 NOUMEA ST	RCRA NonGen / NLR	Higher	789, 0.149, NE
18	TOM DECKER	11631 RABAUL DR	RCRA NonGen / NLR	Higher	826, 0.156, North
E19	KATHY SCHLIEPER	11623 MANILA DRIVE	RCRA NonGen / NLR	Higher	828, 0.157, North
D20	LILI YOUNG	5937 NOUMEA ST	RCRA NonGen / NLR	Higher	829, 0.157, NE
E21	NELSON MENA	11624 MANILA DR	RCRA NonGen / NLR	Higher	830, 0.157, NNE
E22	RICK JONES	11613 MANILA DR	RCRA NonGen / NLR	Higher	880, 0.167, North
G23	GARDEN GROVE TEEN CE	12001 SAINT MARK ST	RCRA NonGen / NLR	Lower	893, 0.169, SW
G24	GARDEN GROVE TEEN CE	12001 SAINT MARK ST	RCRA NonGen / NLR	Lower	893, 0.169, SW
F25	SPARKLING CLEANERS	11867 VALLEY VIEW ST	CPS-SLIC, CERS	Higher	908, 0.172, ESE
F26	SPARKLING CLEANERS	11867 VALLEY VIEW ST	RCRA-SQG, CPS-SLIC, Orange Co. Industrial Site,...	Higher	908, 0.172, ESE
H27	EASTGATE MEDICAL CEN	11848 VALLEY VIEW N	RCRA-SQG, FINDS	Higher	970, 0.184, East
I28	ANDRE JONES	12057 STONEGATE LANE	RCRA NonGen / NLR	Lower	1015, 0.192, SSE
I29	RUSSELL & LORY FULKE	12069 STONEGATE LANE	RCRA NonGen / NLR	Lower	1027, 0.195, SSE
J30	CUI YE	11584 MANILA DR	RCRA NonGen / NLR	Higher	1029, 0.195, NNE
H31	EASTGATE CENTER	11908 VALLEY VIEW ST	CPS-SLIC	Higher	1035, 0.196, ESE
H32	EAST GATE CLEANERS	11920 VALLEY VIEW ST	DRYCLEANERS	Higher	1041, 0.197, ESE
H33	EAST GATE CLEANERS	11920 VALLEY VIEW ST	DRYCLEANERS	Higher	1041, 0.197, ESE
H34	EASTGATE CENTER	11930 VALLEY VIEW ST	CPS-SLIC, Orange Co. Industrial Site, CERS	Higher	1045, 0.198, ESE
K35	HASSAN CHEVRON	11971 VALLEY VIEW	UST	Higher	1070, 0.203, SE
K36	LORRAINE HART CHEVRO	11971 VALLEY VIEW ST	UST	Higher	1070, 0.203, SE
K37	H&S ENERGY PRODUCTS,	11971 VALLEY VIEW ST	UST	Higher	1070, 0.203, SE
K38	EAST GATE CHEVRON	11971 VALLEY VIEW	UST	Higher	1070, 0.203, SE

MAPPED SITES SUMMARY

Target Property Address:
5802 SANTA CATALINA
GARDEN GROVE, CA 92845

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
K39	96287	11971 VALLEY VIEW	HIST UST	Higher	1070, 0.203, SE
K40	LORRAINE HART CHEVRO	11971 VALLEY VIEW ST	CERS HAZ WASTE, SWEEPS UST, CA FID UST, CERS...	Higher	1070, 0.203, SE
K41	H&S ENERGY PRODUCTS	11971 VALLEY VIEW ST	RCRA NonGen / NLR	Higher	1070, 0.203, SE
K42	CHEVRON STATION 9 62	11971 VALLEY VIEW	RCRA-SQG, LUST, Cortese, CERS	Higher	1070, 0.203, SE
K43	H&S ENERGY PRODUCTS	11971 VALLEY VIEW ST	UST	Higher	1070, 0.203, SE
K44	CREON ONE HOUR PHOTO	11873 VALLEY VIEW ST	RCRA-SQG, FINDS, ECHO	Higher	1081, 0.205, ESE
K45	SPARKLING CLEANERS	11875 VALLEY VIEW ST	DRYCLEANERS	Higher	1083, 0.205, SE
K46	CLENET CLEANERS	11875 VALLEY VIEW ST	RCRA NonGen / NLR	Higher	1083, 0.205, SE
I47	TERESA COOK	12048 STONEGATE LN	RCRA NonGen / NLR	Higher	1087, 0.206, SSE
L48	LEN WALLER	5574 APIA DR	RCRA NonGen / NLR	Higher	1098, 0.208, WNW
L49	ROD PETKOVIC	11693 BLACKMER ST	RCRA NonGen / NLR	Higher	1108, 0.210, WNW
50	ABE DEL ROSARIO	11625 LAKIA DR	RCRA NonGen / NLR	Higher	1129, 0.214, NW
J51	ROBERT A FERRARO	11562 RABAUL DR	RCRA NonGen / NLR	Higher	1133, 0.215, North
J52	ROBERT A FERRARO	11562 RABAUL DR	RCRA NonGen / NLR	Higher	1133, 0.215, North
J53	SUZANNE CHEESEMAN	11565 JAVA COURT	RCRA NonGen / NLR	Higher	1141, 0.216, NNE
K54	RICHARD'S CYCLERY	11943 VALLEY VIEW ST	RCRA NonGen / NLR	Higher	1158, 0.219, SE
55	ARTHUR LONG	11941 BLACKMER ST	RCRA NonGen / NLR	Lower	1167, 0.221, WSW
K56	RITE AID #5743	11961 VALLEY VIEW ST	RCRA-SQG	Higher	1173, 0.222, SE
K57	RITE AID #5743	11961 VALLEY VIEW ST	CERS HAZ WASTE	Higher	1173, 0.222, SE
K58	BARNES & DELANEY GOO	12005 VALLEY VIEW ST	RCRA-SQG, FINDS, ECHO	Higher	1183, 0.224, SE
K59	WALGREENS #6187	11950 VALLEY VIEW ST	RCRA-VSQG	Higher	1194, 0.226, ESE
K60	WALGREENS #6187	11950 VALLEY VIEW ST	CERS HAZ WASTE, HWTS, HAZNET	Higher	1194, 0.226, ESE
K61	WALGREENS #6187	11950 VALLEY VIEW ST	RCRA-VSQG	Higher	1194, 0.226, ESE
62	JOE METIN	11649 COZUMEL ST	RCRA NonGen / NLR	Higher	1222, 0.231, NE
63	LORRAINE FASSEL	12068 STONEGATE LN,	RCRA NonGen / NLR	Higher	1226, 0.232, SSE
64	ALEXANDER ULANDY	6028 PITCAIRN ST.	RCRA NonGen / NLR	Higher	1254, 0.237, ENE
65	PATRICIA LANGDON	11557 SAMOA ST	RCRA NonGen / NLR	Higher	1256, 0.238, NNE
66	GLYNDA HUGHES	11542 RABAUL DR	RCRA NonGen / NLR	Higher	1263, 0.239, North
J67	BEATRICE & MIGUEL BO	11534 MANILLA DR	RCRA NonGen / NLR	Higher	1280, 0.242, NNE
K68	MOBIL OIL STN #17-24	6011 CHAPMAN AVE	LUST, HWTS, HAZNET	Higher	1290, 0.244, SE
K69	MOBIL #11-GLG	6011 CHAPMAN	LUST, HIST UST, CA FID UST, Cortese, CERS	Higher	1290, 0.244, SE
K70	JERRY D HOPSON	6011 CHAPMAN	HIST UST	Higher	1290, 0.244, SE
K71	JENNY & ROSE INC.	6011 CHAPMAN AVE	HIST UST	Higher	1290, 0.244, SE
K72	EXXONMOBIL OIL CORPO	6011 CHAPMAN AVE	LUST, HWTS, HAZNET	Higher	1290, 0.244, SE
K73	EASTEGATE AUTOMOTIVE	6011 CHAPMAN AVE	UST, SWEEPS UST	Higher	1290, 0.244, SE
J74	PERLMAN, JUSTIN	11535 JAVA STREET	RCRA NonGen / NLR	Higher	1291, 0.245, NNE
K75	SCHAPERS UNOCAL	12001 VALLEY VIEW ST	LUST, CERS HAZ WASTE, SWEEPS UST, CERS TANKS, CA...	Higher	1294, 0.245, SE
K76	UNION OIL SERVICE ST	12001 VALLEY VIEW	HIST UST	Higher	1294, 0.245, SE
K77	TOSCO - 76 #5013	12001 VALLEY VIEW	LUST	Higher	1294, 0.245, SE

MAPPED SITES SUMMARY

Target Property Address:
5802 SANTA CATALINA
GARDEN GROVE, CA 92845

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
K78	SERVICE STATION 5013	12001 VALLEY VIEW	HIST UST	Higher	1294, 0.245, SE
K79	SCHAPERS UNOCAL INC	12001 VALLEY VIEW ST	RCRA-SQG, FINDS, ECHO	Higher	1294, 0.245, SE
K80	VALLEY VIEW 76	12001 VALLEY VIEW ST	UST	Higher	1294, 0.245, SE
K81	VALLEY VIEW 76	12001 VALLEY VIEW ST	RCRA NonGen / NLR	Higher	1294, 0.245, SE
K82	TOSCO - 76 #5013	12001 VALLEY VIEW	LUST, Cortese, HIST CORTESE, HWTS, HAZNET, CERS	Higher	1294, 0.245, SE
K83	VALLEY VIEW 76/S&M L	12001 VALLEY VIEW ST	RCRA NonGen / NLR	Higher	1294, 0.245, SE
K84	UNOCAL #5013	12001 VALLEY VIEW ST	UST	Higher	1294, 0.245, SE
K85	S&M VALLEY VIEW 76,	12001 VALLEY VIEW ST	UST	Higher	1294, 0.245, SE
M86	SHELL SERVICE STATIO	6022	HIST CORTESE	Higher	1362, 0.258, SE
M87	SHELL OIL	6022 CHAPMAN	LUST, HIST UST, Cortese, CERS	Higher	1405, 0.266, SE
N88	HOLIDAY CLEANERS	6086 CHAPMAN AVENUE	CPS-SLIC, CERS	Higher	1718, 0.325, ESE
N89	HOLIDAY CLEANERS	6086 CHAPMAN AVENUE	CPS-SLIC, BROWNFIELDS, DRYCLEANERS	Higher	1718, 0.325, ESE
O90	FIRE STATION #4	12191 VALLEY VIEW	LUST, SWEEPS UST, CA FID UST, Cortese, CERS	Lower	1977, 0.374, SSE
O91	FIRE STATION #4	12191 VALLEY VIEW ST	LUST	Lower	1977, 0.374, SSE
92	R & D BLDG PARCEL 7	5730 KATELLA AVE	ENVIROSTOR, CERS HAZ WASTE, HWTS, HAZNET, NPDES,..	Higher	4205, 0.796, North
93	ARCO #3015	5262 LAMPSON AVE	LUST, Cortese, HIST CORTESE, Notify 65, CERS	Lower	4289, 0.812, SW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL ..... National Priority List
Proposed NPL ..... Proposed National Priority List Sites
NPL LIENS ..... Federal Superfund Liens

Lists of Federal Delisted NPL sites

Delisted NPL ..... National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY ..... Federal Facility Site Information listing
SEMS ..... Superfund Enterprise Management System

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE ..... Superfund Enterprise Management System Archive

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS ..... Corrective Action Report

Lists of Federal RCRA TSD facilities

RCRA-TSDF ..... RCRA - Treatment, Storage and Disposal

Lists of Federal RCRA generators

RCRA-LQG ..... RCRA - Large Quantity Generators

Federal institutional controls / engineering controls registries

LUCIS ..... Land Use Control Information System
US ENG CONTROLS ..... Engineering Controls Sites List
US INST CONTROLS ..... Institutional Controls Sites List

Federal ERNS list

ERNS ..... Emergency Response Notification System

EXECUTIVE SUMMARY

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE..... State Response Sites

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF..... Solid Waste Information System

Lists of state and tribal leaking storage tanks

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

Lists of state and tribal registered storage tanks

FEMA UST..... Underground Storage Tank Listing
AST..... Aboveground Petroleum Storage Tank Facilities
INDIAN UST..... Underground Storage Tanks on Indian Land

Lists of state and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing
VCP..... Voluntary Cleanup Program Properties

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT..... Waste Management Unit Database
SWRCY..... Recycler Database
HAULERS..... Registered Waste Tire Haulers Listing
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands
ODI..... Open Dump Inventory
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL..... Delisted National Clandestine Laboratory Register
HIST Cal-Sites..... Historical Calsites Database
SCH..... School Property Evaluation Program
CDL..... Clandestine Drug Labs
Toxic Pits..... Toxic Pits Cleanup Act Sites
US CDL..... National Clandestine Laboratory Register

Local Land Records

LIENS..... Environmental Liens Listing
LIENS 2..... CERCLA Lien Information
DEED..... Deed Restriction Listing

EXECUTIVE SUMMARY

Records of Emergency Release Reports

HMIRS	Hazardous Materials Information Reporting System
CHMIRS	California Hazardous Material Incident Report System
LDS	Land Disposal Sites Listing
MCS	Military Cleanup Sites Listing
Orange Co. Industrial Site	List of Industrial Site Cleanups
SPILLS 90	SPILLS 90 data from FirstSearch

Other Ascertainable Records

FUDS	Formerly Used Defense Sites
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR	Financial Assurance Information
EPA WATCH LIST	EPA WATCH LIST
2020 COR ACTION	2020 Corrective Action Program List
TSCA	Toxic Substances Control Act
TRIS	Toxic Chemical Release Inventory System
SSTS	Section 7 Tracking Systems
ROD	Records Of Decision
RMP	Risk Management Plans
RAATS	RCRA Administrative Action Tracking System
PRP	Potentially Responsible Parties
PADS	PCB Activity Database System
ICIS	Integrated Compliance Information System
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS	Material Licensing Tracking System
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
RADINFO	Radiation Information Database
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
CONSENT	Superfund (CERCLA) Consent Decrees
INDIAN RESERV	Indian Reservations
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US AIRS	Aerometric Information Retrieval System Facility Subsystem
US MINES	Mines Master Index File
ABANDONED MINES	Abandoned Mines
MINES MRDS	Mineral Resources Data System
FINDS	Facility Index System/Facility Registry System
UXO	Unexploded Ordnance Sites
DOCKET HWC	Hazardous Waste Compliance Docket Listing
ECHO	Enforcement & Compliance History Information
FUELS PROGRAM	EPA Fuels Program Registered Listing
PFAS NPL	Superfund Sites with PFAS Detections Information
PFAS FEDERAL SITES	Federal Sites PFAS Information
PFAS TRIS	List of PFAS Added to the TRI
PFAS TSCA	PFAS Manufacture and Imports Information
PFAS RCRA MANIFEST	PFAS Transfers Identified In the RCRA Database Listing
PFAS ATSDR	PFAS Contamination Site Location Listing

EXECUTIVE SUMMARY

PFAS WQP	Ambient Environmental Sampling for PFAS
PFAS NPDES	Clean Water Act Discharge Monitoring Information
PFAS ECHO	Facilities in Industries that May Be Handling PFAS Listing
PFAS ECHO FIRE TRAINING	Facilities in Industries that May Be Handling PFAS Listing
PFAS PART 139 AIRPORT	All Certified Part 139 Airports PFAS Information Listing
AQUEOUS FOAM NRC	Aqueous Foam Related Incidents Listing
BIOSOLIDS	ICIS-NPDES Biosolids Facility Data
PFAS	PFAS Contamination Site Location Listing
AQUEOUS FOAM	Former Fire Training Facility Assessments Listing
CA BOND EXP. PLAN	Bond Expenditure Plan
CHROME PLATING	Chrome Plating Facilities Listing
CUPA Listings	CUPA Resources List
EMI	Emissions Inventory Data
ENF	Enforcement Action Listing
Financial Assurance	Financial Assurance Information Listing
ICE	Inspection, Compliance and Enforcement
HWP	EnviroStor Permitted Facilities Listing
HWT	Registered Hazardous Waste Transporter Database
HWTS	Hazardous Waste Tracking System
HAZNET	Facility and Manifest Data
MINES	Mines Site Location Listing
MWMP	Medical Waste Management Program Listing
NPDES	NPDES Permits Listing
PEST LIC	Pesticide Regulation Licenses Listing
PROC	Certified Processors Database
HAZMAT	Hazardous Material Facilities
UIC	UIC Listing
UIC GEO	UIC GEO (GEOTRACKER)
WASTEWATER PITS	Oil Wastewater Pits Listing
WDS	Waste Discharge System
WIP	Well Investigation Program Case List
MILITARY PRIV SITES	MILITARY PRIV SITES (GEOTRACKER)
PROJECT	PROJECT (GEOTRACKER)
WDR	Waste Discharge Requirements Listing
CIWQS	California Integrated Water Quality System
CERS	CERS
NON-CASE INFO	NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS	OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS	PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT	SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ	Well Stimulation Project (GEOTRACKER)

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	EDR Proprietary Manufactured Gas Plants
EDR Hist Auto	EDR Exclusive Historical Auto Stations
EDR Hist Cleaner	EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF	Recovered Government Archive Solid Waste Facilities List

EXECUTIVE SUMMARY

RGA LUST..... Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal RCRA generators

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 12/04/2023 has revealed that there are 7 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SPARKLING CLEANERS EPA ID:: CAD981396112	***11867 VALLEY VIEW ST***	***ESE 1/8 - 1/4 (0.172 mi.)***	***F26***	***164***
EASTGATE MEDICAL CEN EPA ID:: CAD983643826	***11848 VALLEY VIEW N***	***E 1/8 - 1/4 (0.184 mi.)***	***H27***	***185***
CHEVRON STATION 9 62 EPA ID:: CAD983634767	***11971 VALLEY VIEW***	***SE 1/8 - 1/4 (0.203 mi.)***	***K42***	***236***
CREON ONE HOUR PHOTO EPA ID:: CAD981688583	***11873 VALLEY VIEW ST***	***ESE 1/8 - 1/4 (0.205 mi.)***	***K44***	***242***
RITE AID #5743 EPA ID:: CA0000228387	11961 VALLEY VIEW ST	SE 1/8 - 1/4 (0.222 mi.)	K56	268
BARNES & DELANEY GOO EPA ID:: CAD982047607	***12005 VALLEY VIEW ST***	***SE 1/8 - 1/4 (0.224 mi.)***	***K58***	***282***
SCHAPERS UNOCAL INC EPA ID:: CAD981648983	***12001 VALLEY VIEW ST***	***SE 1/8 - 1/4 (0.245 mi.)***	***K79***	***491***

EXECUTIVE SUMMARY

RCRA-VSQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-VSQG list, as provided by EDR, and dated 12/04/2023 has revealed that there are 2 RCRA-VSQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WALGREENS #6187 EPA ID:: CAL000323212	11950 VALLEY VIEW ST	ESE 1/8 - 1/4 (0.226 mi.)	K59	285
WALGREENS #6187 EPA ID:: CAR000253070	11950 VALLEY VIEW ST	ESE 1/8 - 1/4 (0.226 mi.)	K61	400

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 07/24/2023 has revealed that there is 1 ENVIROSTOR site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
R & D BLDG PARCEL 7 Facility Id: 60002729 Status: Active	***5730 KATELLA AVE***	***N 1/2 - 1 (0.796 mi.)***	***92***	***529***

Lists of state and tribal leaking storage tanks

LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the LUST list, as provided by EDR, has revealed that there are 10 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CHEVRON STATION 9 62 Database: ORANGE CO. LUST, Date of Government Version: 05/15/2023 Database: LUST REG 8, Date of Government Version: 02/14/2005 Database: LUST, Date of Government Version: 09/05/2023	***11971 VALLEY VIEW***	***SE 1/8 - 1/4 (0.203 mi.)***	***K42***	***236***

Status: Completed - Case Closed
Facility Id: 86UT110
Facility Status: Case Closed
Global Id: T0605900080
Global ID: T0605900080

MOBIL OIL STN #17-24 ***6011 CHAPMAN AVE*** ***SE 1/8 - 1/4 (0.244 mi.)*** ***K68*** ***420***
Database: ORANGE CO. LUST, Date of Government Version: 05/15/2023
Facility Id: 91UT106

MOBIL #11-GLG ***6011 CHAPMAN*** ***SE 1/8 - 1/4 (0.244 mi.)*** ***K69*** ***421***
Database: ORANGE CO. LUST, Date of Government Version: 05/15/2023
Database: LUST REG 8, Date of Government Version: 02/14/2005
Database: LUST, Date of Government Version: 09/05/2023
Status: Completed - Case Closed
Facility Id: 85UT020
Facility Status: Case Closed
Global Id: T0605900207
Global Id: T0605905806
Global ID: T0605900207
Global ID: T0605905806

EXXONMOBIL OIL CORPO ***6011 CHAPMAN AVE*** ***SE 1/8 - 1/4 (0.244 mi.)*** ***K72*** ***437***
Database: ORANGE CO. LUST, Date of Government Version: 05/15/2023
Facility Id: 91UT144

SCHAPERS UNOCAL ***12001 VALLEY VIEW ST*** ***SE 1/8 - 1/4 (0.245 mi.)*** ***K75*** ***454***
Database: ORANGE CO. LUST, Date of Government Version: 05/15/2023
Facility Id: 99UT058

TOSCO - 76 #5013 12001 VALLEY VIEW SE 1/8 - 1/4 (0.245 mi.) K77 486
Database: ORANGE CO. LUST, Date of Government Version: 05/15/2023
Database: LUST, Date of Government Version: 09/05/2023
Status: Completed - Case Closed
Facility Id: 95UT023
Global Id: T0605926780
Global Id: T0605901851

TOSCO - 76 #5013 ***12001 VALLEY VIEW*** ***SE 1/8 - 1/4 (0.245 mi.)*** ***K82*** ***496***
Database: LUST REG 8, Date of Government Version: 02/14/2005
Facility Status: Case Closed
Facility Status: Pollution Characterization
Global ID: T0605901851
Global ID: T0605926780

SHELL OIL ***6022 CHAPMAN*** ***SE 1/4 - 1/2 (0.266 mi.)*** ***M87*** ***507***
Database: ORANGE CO. LUST, Date of Government Version: 05/15/2023
Database: LUST REG 8, Date of Government Version: 02/14/2005
Database: LUST, Date of Government Version: 09/05/2023
Status: Completed - Case Closed
Facility Id: 88UT188
Facility Status: Post remedial action monitoring
Global Id: T0605900845
Global ID: T0605900845

Lower Elevation	Address	Direction / Distance	Map ID	Page
FIRE STATION #4	***12191 VALLEY VIEW***	***SSE 1/4 - 1/2 (0.374 mi.)***	***O90***	***524***

Database: LUST REG 8, Date of Government Version: 02/14/2005

Facility Status: Case Closed
Global ID: T0605950213

FIRE STATION #4	12191 VALLEY VIEW ST	SSE 1/4 - 1/2 (0.374 mi.)	O91	528

Database: ORANGE CO. LUST, Date of Government Version: 05/15/2023
Database: LUST, Date of Government Version: 09/05/2023
Status: Completed - Case Closed
Facility Id: 97UT010
Global Id: T0605950213

CPS-SLIC: Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the CPS-SLIC list, as provided by EDR, has revealed that there are 6 CPS-SLIC sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SPARKLING CLEANERS	***11867 VALLEY VIEW ST***	***ESE 1/8 - 1/4 (0.172 mi.)***	***F25***	***163***
Database: SLIC REG 8, Date of Government Version: 04/03/2008 Facility Status: Closed				
SPARKLING CLEANERS	***11867 VALLEY VIEW ST***	***ESE 1/8 - 1/4 (0.172 mi.)***	***F26***	***164***
Database: CPS-SLIC, Date of Government Version: 09/05/2023 Global Id: T10000018398 Global Id: SLT8R0663950 Facility Status: Completed - Case Closed				
EASTGATE CENTER	11908 VALLEY VIEW ST	ESE 1/8 - 1/4 (0.196 mi.)	H31	194
Database: SLIC REG 8, Date of Government Version: 04/03/2008 Facility Status: Closed				
EASTGATE CENTER	***11930 VALLEY VIEW ST***	***ESE 1/8 - 1/4 (0.198 mi.)***	***H34***	***195***
Database: CPS-SLIC, Date of Government Version: 09/05/2023 Global Id: SL208283883 Global Id: T10000018356 Facility Status: Completed - Case Closed				
HOLIDAY CLEANERS	***6086 CHAPMAN AVENUE***	***ESE 1/4 - 1/2 (0.325 mi.)***	***N88***	***521***
Database: SLIC REG 8, Date of Government Version: 04/03/2008 Facility Status: Additional Characterization Underway				
HOLIDAY CLEANERS	***6086 CHAPMAN AVENUE***	***ESE 1/4 - 1/2 (0.325 mi.)***	***N89***	***522***
Database: CPS-SLIC, Date of Government Version: 09/05/2023 Global Id: SL0605985079 Facility Status: Open - Remediation				

Lists of state and tribal registered storage tanks

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, has revealed that there are 9 UST sites within

approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HASSAN CHEVRON Database: ORANGE CO. UST, Date of Government Version: 04/01/2023 Facility Id: FA24104	11971 VALLEY VIEW	SE 1/8 - 1/4 (0.203 mi.)	K35	197
LORRAINE HART CHEVRO Database: UST, Date of Government Version: 09/05/2023 Facility Id: 2134	11971 VALLEY VIEW ST	SE 1/8 - 1/4 (0.203 mi.)	K36	198
H&S ENERGY PRODUCTS, Database: UST, Date of Government Version: 09/05/2023 Facility Id: FA0024104	11971 VALLEY VIEW ST	SE 1/8 - 1/4 (0.203 mi.)	K37	199
EAST GATE CHEVRON Database: ORANGE CO. UST, Date of Government Version: 04/01/2023 Facility Id: FA24104	11971 VALLEY VIEW	SE 1/8 - 1/4 (0.203 mi.)	K38	202
H&S ENERGY PRODUCTS Database: ORANGE CO. UST, Date of Government Version: 04/01/2023 Facility Id: FA0024104	11971 VALLEY VIEW ST	SE 1/8 - 1/4 (0.203 mi.)	K43	242
EASTEGATE AUTOMOTIVE Database: UST, Date of Government Version: 09/05/2023 Facility Id: 3144	***6011 CHAPMAN AVE***	***SE 1/8 - 1/4 (0.244 mi.)***	***K73***	***449***
VALLEY VIEW 76 Database: ORANGE CO. UST, Date of Government Version: 04/01/2023 Facility Id: FA0056205	12001 VALLEY VIEW ST	SE 1/8 - 1/4 (0.245 mi.)	K80	494
UNOCAL #5013 Database: UST, Date of Government Version: 09/05/2023 Facility Id: 3146	12001 VALLEY VIEW ST	SE 1/8 - 1/4 (0.245 mi.)	K84	504
S&M VALLEY VIEW 76, Database: UST, Date of Government Version: 09/05/2023 Facility Id: FA0056205	12001 VALLEY VIEW ST	SE 1/8 - 1/4 (0.245 mi.)	K85	505

Lists of state and tribal brownfield sites

BROWNFIELDS: A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

A review of the BROWNFIELDS list, as provided by EDR, and dated 09/19/2023 has revealed that there is 1 BROWNFIELDS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HOLIDAY CLEANERS	***6086 CHAPMAN AVENUE***	***ESE 1/4 - 1/2 (0.325 mi.)***	***N89***	***522***

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

EXECUTIVE SUMMARY

CERS HAZ WASTE: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

A review of the CERS HAZ WASTE list, as provided by EDR, and dated 07/17/2023 has revealed that there are 5 CERS HAZ WASTE sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
2041 VONS A SAFEWAY	***11861 VALLEY VIEW ST***	***ESE 1/8 - 1/4 (0.131 mi.)***	***F12***	***34***
LORRAINE HART CHEVRO	***11971 VALLEY VIEW ST***	***SE 1/8 - 1/4 (0.203 mi.)***	***K40***	***203***
RITE AID #5743	11961 VALLEY VIEW ST	SE 1/8 - 1/4 (0.222 mi.)	K57	277
WALGREENS #6187	***11950 VALLEY VIEW ST***	***ESE 1/8 - 1/4 (0.226 mi.)***	***K60***	***288***
SCHAPERS UNOCAL	***12001 VALLEY VIEW ST***	***SE 1/8 - 1/4 (0.245 mi.)***	***K75***	***454***

Local Lists of Registered Storage Tanks

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 3 SWEEPS UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LORRAINE HART CHEVRO Status: A Tank Status: A Comp Number: 2134	***11971 VALLEY VIEW ST***	***SE 1/8 - 1/4 (0.203 mi.)***	***K40***	***203***
EASTEGATE AUTOMOTIVE Status: A Tank Status: A Comp Number: 3144	***6011 CHAPMAN AVE***	***SE 1/8 - 1/4 (0.244 mi.)***	***K73***	***449***
SCHAPERS UNOCAL Status: A Tank Status: A Comp Number: 3146	***12001 VALLEY VIEW ST***	***SE 1/8 - 1/4 (0.245 mi.)***	***K75***	***454***

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 6 HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
96287 Facility Id: 00000062868	11971 VALLEY VIEW	SE 1/8 - 1/4 (0.203 mi.)	K39	202
MOBIL #11-GLG	***6011 CHAPMAN***	***SE 1/8 - 1/4 (0.244 mi.)***	***K69***	***421***
JERRY D HOPSON Facility Id: 00000039772	6011 CHAPMAN	SE 1/8 - 1/4 (0.244 mi.)	K70	435
JENNY & ROSE INC.	6011 CHAPMAN AVE	SE 1/8 - 1/4 (0.244 mi.)	K71	436

Facility Id: 00000042804				
UNION OIL SERVICE ST Facility Id: 00000056270	12001 VALLEY VIEW	SE 1/8 - 1/4 (0.245 mi.)	K76	485
SERVICE STATION 5013 Facility Id: 00000016765	12001 VALLEY VIEW	SE 1/8 - 1/4 (0.245 mi.)	K78	490

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there are 3 CA FID UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LORRAINE HART CHEVRO Facility Id: 30000446 Status: A	***11971 VALLEY VIEW ST***	***SE 1/8 - 1/4 (0.203 mi.)***	***K40***	***203***
MOBIL #11-GLG Facility Id: 30000505 Status: A	***6011 CHAPMAN***	***SE 1/8 - 1/4 (0.244 mi.)***	***K69***	***421***
SCHAPERS UNOCAL Facility Id: 30006851 Status: A	***12001 VALLEY VIEW ST***	***SE 1/8 - 1/4 (0.245 mi.)***	***K75***	***454***

CERS TANKS: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

A review of the CERS TANKS list, as provided by EDR, and dated 07/17/2023 has revealed that there are 2 CERS TANKS sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LORRAINE HART CHEVRO	***11971 VALLEY VIEW ST***	***SE 1/8 - 1/4 (0.203 mi.)***	***K40***	***203***
SCHAPERS UNOCAL	***12001 VALLEY VIEW ST***	***SE 1/8 - 1/4 (0.245 mi.)***	***K75***	***454***

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 12/04/2023 has revealed that there are 46 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SEAN REDMOND EPA ID:: CAC003040325	11822 SAINT MARK ST	W 0 - 1/8 (0.014 mi.)	A1	9
VALERIE BRIGHAM	11831 SAINT MARK ST	WSW 0 - 1/8 (0.039 mi.)	A2	11

EPA ID:: CAC003191282				
SEAN SUTER EPA ID:: CAC003027760	5814 APIA DR	N 0 - 1/8 (0.069 mi.)	B3	13
YANFEI WEI EPA ID:: CAC003138159	5814 APIA DRIVE	N 0 - 1/8 (0.069 mi.)	B4	16
VELMA VON BLOCKER EPA ID:: CAC003140838	5714 APIA DRIVE	NW 0 - 1/8 (0.095 mi.)	C5	18
PETER GEORGE EPA ID:: CAC003133838	11691 RABAUL DR	N 0 - 1/8 (0.099 mi.)	B6	20
IAN KOKOT EPA ID:: CAC003026655	11681 RABAUL DR	N 0 - 1/8 (0.109 mi.)	B7	22
SAENZ, JEFF EPA ID:: CAC002989070	11672 RABAUL DRIVE	N 0 - 1/8 (0.112 mi.)	B8	25
NANCY LAN EPA ID:: CAC003079750	11679 MIDWAY DRIVE	NNW 0 - 1/8 (0.117 mi.)	C9	27
PAUL KUBIT EPA ID:: CAC003178897	11687 GUAM CIRCLE	NE 0 - 1/8 (0.123 mi.)	D10	29
DUANNE GREAVER EPA ID:: CAC003026027	11654 MANILA DR	NNE 1/8 - 1/4 (0.129 mi.)	E11	31
VONS STORE #2041 EPA ID:: CAL000442540	11861 VALLEY VIEW ST	ESE 1/8 - 1/4 (0.131 mi.)	F13	136
VONS STORE #2041 EPA ID:: CAL000353872	11861 VALLEY VIEW ST	ESE 1/8 - 1/4 (0.131 mi.)	F14	139
STEPHEN ADAMSON EPA ID:: CAC003065557	5907 NOUMEA ST	NNE 1/8 - 1/4 (0.140 mi.)	D15	141
TIEN DINH EPA ID:: CAC003083632	11645 JAVA	NNE 1/8 - 1/4 (0.141 mi.)	E16	143
MATTHEW THOMAS EPA ID:: CAC003143333	5927 NOUMEA ST	NE 1/8 - 1/4 (0.149 mi.)	D17	145
TOM DECKER EPA ID:: CAC003079256	11631 RABAUL DR	N 1/8 - 1/4 (0.156 mi.)	18	148
KATHY SCHLIEPER EPA ID:: CAC003190159	11623 MANILA DRIVE	N 1/8 - 1/4 (0.157 mi.)	E19	150
LILI YOUNG EPA ID:: CAC003143467	5937 NOUMEA ST	NE 1/8 - 1/4 (0.157 mi.)	D20	152
NELSON MENA EPA ID:: CAC002995233	11624 MANILA DR	NNE 1/8 - 1/4 (0.157 mi.)	E21	154
RICK JONES EPA ID:: CAC003067403	11613 MANILA DR	N 1/8 - 1/4 (0.167 mi.)	E22	157
CUI YE EPA ID:: CAC003159114	11584 MANILA DR	NNE 1/8 - 1/4 (0.195 mi.)	J30	191
H&S ENERGY PRODUCTS EPA ID:: CAL000257815	11971 VALLEY VIEW ST	SE 1/8 - 1/4 (0.203 mi.)	K41	233
CLENET CLEANERS EPA ID:: CAC002965530	11875 VALLEY VIEW ST	SE 1/8 - 1/4 (0.205 mi.)	K46	246
TERESA COOK	12048 STONEGATE LN	SSE 1/8 - 1/4 (0.206 mi.)	I47	248

EPA ID:: CAC003236555				
LEN WALLER EPA ID:: CAC003141847	5574 APIA DR	WNW 1/8 - 1/4 (0.208 mi.)	L48	250
ROD PETKOVIC EPA ID:: CAC002974088	11693 BLACKMER ST	WNW 1/8 - 1/4 (0.210 mi.)	L49	252
ABE DEL ROSARIO EPA ID:: CAC003046148	11625 LAKIA DR	NW 1/8 - 1/4 (0.214 mi.)	50	255
ROBERT A FERRARO EPA ID:: CAC003132817	11562 RABAUL DR	N 1/8 - 1/4 (0.215 mi.)	J51	257
ROBERT A FERRARO EPA ID:: CAC003132823	11562 RABAUL DR	N 1/8 - 1/4 (0.215 mi.)	J52	259
SUZANNE CHEESEMAN EPA ID:: CAC002974727	11565 JAVA COURT	NNE 1/8 - 1/4 (0.216 mi.)	J53	261
RICHARD'S CYCLERY EPA ID:: CAL000171384	11943 VALLEY VIEW ST	SE 1/8 - 1/4 (0.219 mi.)	K54	264
JOE METIN EPA ID:: CAC003229390	11649 COZUMEL ST	NE 1/8 - 1/4 (0.231 mi.)	62	406
LORRAINE FASSEL EPA ID:: CAC003168412	12068 STONEGATE LN,	SSE 1/8 - 1/4 (0.232 mi.)	63	408
ALEXANDER ULANDY EPA ID:: CAC003162341	6028 PITCAIRN ST.	ENE 1/8 - 1/4 (0.237 mi.)	64	411
PATRICIA LANGDON EPA ID:: CAC003116147	11557 SAMOA ST	NNE 1/8 - 1/4 (0.238 mi.)	65	413
GLYNDA HUGHES EPA ID:: CAC003043916	11542 RABAUL DR	N 1/8 - 1/4 (0.239 mi.)	66	415
BEATRICE & MIGUEL BO EPA ID:: CAC003001029	11534 MANILLA DR	NNE 1/8 - 1/4 (0.242 mi.)	J67	417
PERLMAN, JUSTIN EPA ID:: CAC003013395	11535 JAVA STREET	NNE 1/8 - 1/4 (0.245 mi.)	J74	451
VALLEY VIEW 76 EPA ID:: CAL000367743	12001 VALLEY VIEW ST	SE 1/8 - 1/4 (0.245 mi.)	K81	494
VALLEY VIEW 76/S&M L EPA ID:: CAL000432575	12001 VALLEY VIEW ST	SE 1/8 - 1/4 (0.245 mi.)	K83	501

Lower Elevation	Address	Direction / Distance	Map ID	Page
GARDEN GROVE TEEN CE EPA ID:: CAC002992628	12001 SAINT MARK ST	SW 1/8 - 1/4 (0.169 mi.)	G23	159
GARDEN GROVE TEEN CE EPA ID:: CAC002987424	12001 SAINT MARK ST	SW 1/8 - 1/4 (0.169 mi.)	G24	161
ANDRE JONES EPA ID:: CAC003078218	12057 STONEGATE LANE	SSE 1/8 - 1/4 (0.192 mi.)	I28	187
RUSSELL & LORY FULKE EPA ID:: CAC003158974	12069 STONEGATE LANE	SSE 1/8 - 1/4 (0.195 mi.)	I29	189
ARTHUR LONG EPA ID:: CAC003036946	11941 BLACKMER ST	WSW 1/8 - 1/4 (0.221 mi.)	55	266

EXECUTIVE SUMMARY

DOD: Consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

A review of the DOD list, as provided by EDR, and dated 06/07/2021 has revealed that there is 1 DOD site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NG TS AFRC LOS ALAMI		NW 1/8 - 1/4 (0.210 mi.)	0	9

Cortese: The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

A review of the Cortese list, as provided by EDR, and dated 09/19/2023 has revealed that there are 5 Cortese sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CHEVRON STATION 9 62	***11971 VALLEY VIEW***	***SE 1/8 - 1/4 (0.203 mi.)***	***K42***	***236***
Cleanup Status: COMPLETED - CASE CLOSED				
MOBIL #11-GLG	***6011 CHAPMAN***	***SE 1/8 - 1/4 (0.244 mi.)***	***K69***	***421***
Cleanup Status: COMPLETED - CASE CLOSED				
TOSCO - 76 #5013	***12001 VALLEY VIEW***	***SE 1/8 - 1/4 (0.245 mi.)***	***K82***	***496***
Cleanup Status: COMPLETED - CASE CLOSED				
SHELL OIL	***6022 CHAPMAN***	***SE 1/4 - 1/2 (0.266 mi.)***	***M87***	***507***
Cleanup Status: COMPLETED - CASE CLOSED				

Lower Elevation	Address	Direction / Distance	Map ID	Page
FIRE STATION #4	***12191 VALLEY VIEW***	***SSE 1/4 - 1/2 (0.374 mi.)***	***O90***	***524***
Cleanup Status: COMPLETED - CASE CLOSED				

DRYCLEANERS: A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaners' agents; linen supply; coin-operated laundries and cleaning; drycleaning plants except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

A review of the DRYCLEANERS list, as provided by EDR, has revealed that there are 4 DRYCLEANERS sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SPARKLING CLEANERS	***11867 VALLEY VIEW ST***	***ESE 1/8 - 1/4 (0.172 mi.)***	***F26***	***164***
Database: DRYCLEANERS, Date of Government Version: 08/31/2023				
Database: DRYCLEAN SOUTH COAST, Date of Government Version: 08/18/2023				
EPA Id: CAD981396112				
EAST GATE CLEANERS	11920 VALLEY VIEW ST	ESE 1/8 - 1/4 (0.197 mi.)	H32	194
Database: DRYCLEAN SOUTH COAST, Date of Government Version: 08/18/2023				
EAST GATE CLEANERS	11920 VALLEY VIEW ST	ESE 1/8 - 1/4 (0.197 mi.)	H33	194
Database: DRYCLEAN SOUTH COAST, Date of Government Version: 08/18/2023				
SPARKLING CLEANERS	11875 VALLEY VIEW ST	SE 1/8 - 1/4 (0.205 mi.)	K45	245
Database: DRYCLEAN SOUTH COAST, Date of Government Version: 08/18/2023				

EXECUTIVE SUMMARY

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 3 HIST CORTESE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LORRAINE HART CHEVRO Reg Id: 083000103T	***11971 VALLEY VIEW ST***	***SE 1/8 - 1/4 (0.203 mi.)***	***K40***	***203***
TOSCO - 76 #5013 Reg Id: 083002668T	***12001 VALLEY VIEW***	***SE 1/8 - 1/4 (0.245 mi.)***	***K82***	***496***
SHELL SERVICE STATIO Reg Id: 083001071T	6022	SE 1/4 - 1/2 (0.258 mi.)	M86	506

Notify 65: Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

A review of the Notify 65 list, as provided by EDR, and dated 09/07/2023 has revealed that there is 1 Notify 65 site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
ARCO #3015	***5262 LAMPSON AVE***	***SW 1/2 - 1 (0.812 mi.)***	***93***	***600***

EXECUTIVE SUMMARY

There were no unmapped sites in this report.

OVERVIEW MAP - 7519416.2S

Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

0 1/4 1/2 1 Miles

Indian Reservations BIA

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

Areas of Concern

N

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	5802 Santa Catalina	CLIENT:	Stantec
ADDRESS:	5802 Santa Catalina Garden Grove CA 92845	CONTACT:	Alicia Jansen - Stantec
		INQUIRY #:	7519416.2s
LAT/LONG:	33.790863 / 118.032017	DATE:	December 13, 2023 9:02 am

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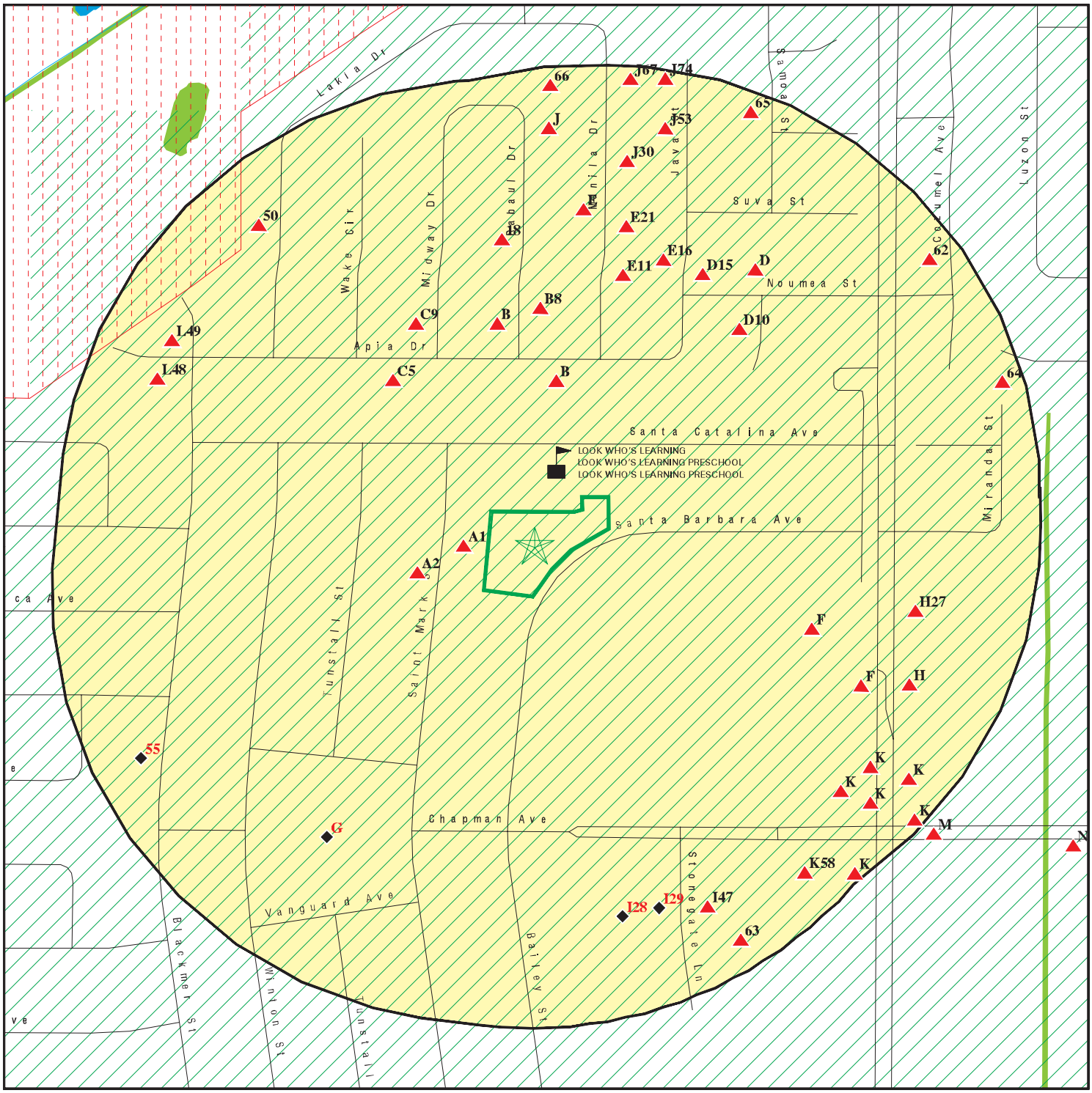
DETAIL MAP - 7519416.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

0 1/16 1/8 1/4 Miles

Indian Reservations BIA

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 5802 Santa Catalina	CLIENT: Stantec
ADDRESS: 5802 Santa Catalina Garden Grove CA 92845	CONTACT: Alicia Jansen - Stantec
LAT/LONG: 33.790863 / 118.032017	INQUIRY #: 7519416.2s DATE: December 13, 2023 9:03 am

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Lists of Federal NPL (Superfund) sites								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA generators								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	7	NR	NR	NR	7
RCRA-VSQG	0.250		0	2	NR	NR	NR	2
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
Lists of state- and tribal (Superfund) equivalent sites								
RESPONSE	1.000		0	0	0	0	NR	0
Lists of state- and tribal hazardous waste facilities								
ENVIROSTOR	1.000		0	0	0	1	NR	1
Lists of state and tribal landfills and solid waste disposal facilities								
SWF/LF	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Lists of state and tribal leaking storage tanks								
LUST	0.500		0	7	3	NR	NR	10
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		0	4	2	NR	NR	6
Lists of state and tribal registered storage tanks								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	9	NR	NR	NR	9
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
Lists of state and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
Lists of state and tribal brownfield sites								
BROWNFIELDS	0.500		0	0	1	NR	NR	1
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
CERS HAZ WASTE	0.250		0	5	NR	NR	NR	5
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		0	3	NR	NR	NR	3
HIST UST	0.250		0	6	NR	NR	NR	6
CA FID UST	0.250		0	3	NR	NR	NR	3
CERS TANKS	0.250		0	2	NR	NR	NR	2
Local Land Records								
LIENS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LIENS 2	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CHMIRS	TP		NR	NR	NR	NR	NR	0
LDS	TP		NR	NR	NR	NR	NR	0
MCS	TP		NR	NR	NR	NR	NR	0
Orange Co. Industrial Site	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		10	36	NR	NR	NR	46
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	1	0	0	NR	1
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
MINES MRDS	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
PFAS NPL	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
PFAS FEDERAL SITES	0.250		0	0	NR	NR	NR	0
PFAS TRIS	0.250		0	0	NR	NR	NR	0
PFAS TSCA	0.250		0	0	NR	NR	NR	0
PFAS RCRA MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS ATSDR	0.250		0	0	NR	NR	NR	0
PFAS WQP	0.250		0	0	NR	NR	NR	0
PFAS NPDES	0.250		0	0	NR	NR	NR	0
PFAS ECHO	0.250		0	0	NR	NR	NR	0
PFAS ECHO FIRE TRAINING	0.250		0	0	NR	NR	NR	0
PFAS PART 139 AIRPORT	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		0	0	NR	NR	NR	0
BIOSOLIDS	TP		NR	NR	NR	NR	NR	0
PFAS	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
CHROME PLATING	0.500		0	0	0	NR	NR	0
Cortese	0.500		0	3	2	NR	NR	5
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		0	4	NR	NR	NR	4
EMI	TP		NR	NR	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
ICE	TP		NR	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	2	1	NR	NR	3
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
HWTS	TP		NR	NR	NR	NR	NR	0
HAZNET	TP		NR	NR	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
PEST LIC	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	1	NR	1
HAZMAT	0.250		0	0	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
UIC GEO	TP		NR	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	TP		NR	NR	NR	NR	NR	0
PROJECT	TP		NR	NR	NR	NR	NR	0
WDR	TP		NR	NR	NR	NR	NR	0
CIWQS	TP		NR	NR	NR	NR	NR	0
CERS	TP		NR	NR	NR	NR	NR	0
NON-CASE INFO	TP		NR	NR	NR	NR	NR	0
OTHER OIL GAS	TP		NR	NR	NR	NR	NR	0
PROD WATER PONDS	TP		NR	NR	NR	NR	NR	0
SAMPLING POINT	TP		NR	NR	NR	NR	NR	0
WELL STIM PROJ	TP		NR	NR	NR	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		0	10	94	9	2	0	115

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

DOD **NG TS AFRC LOS ALAMITOS** **DOD** **CUSA401275**
Region **N/A**
NW **, CA**
1/8-1/4
1108 ft.

DOD:

Site Name:	NG TS AFRC LOS ALAMITOS
DOD Component:	Army Guard
Joint Base:	N/A
Operating Status:	ACT (Active): Site has an on-going operational/support mission (s).

A1 **SEAN REDMOND** **RCRA NonGen / NLR** **1025859749**
West **11822 SAINT MARK ST** **CAC003040325**
< 1/8 **GARDEN GROVE, CA 92845**
0.014 mi.
74 ft. **Site 1 of 2 in cluster A**

Relative:
Higher

Actual:
32 ft.

RCRA Listings:

Date Form Received by Agency:	20191024
Handler Name:	Sean Redmond
Handler Address:	11822 SAINT MARK ST
Handler City,State,Zip:	GARDEN GROVE, CA 92845-1108
EPA ID:	CAC003040325
Contact Name:	SEAN REDMOND
Contact Address:	11822 SAINT MARK ST
Contact City,State,Zip:	GARDEN GROVE, CA 92845-1108
Contact Telephone:	213-324-5264
Contact Fax:	Not reported
Contact Email:	SHAY@JCENVIRONMENTALINC.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	11822 SAINT MARK ST
Mailing City,State,Zip:	GARDEN GROVE, CA 92845-1108
Owner Name:	Sean Redmond
Owner Type:	Other
Operator Name:	Sean Redmond
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---

SEAN REDMOND (Continued) **1025859749**

Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20191025
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: SEAN REDMOND	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11822 SAINT MARK ST
Owner/Operator City,State,Zip:	GARDEN GROVE, CA 92845-1108
Owner/Operator Telephone:	213-324-5264
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: SEAN REDMOND	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11822 SAINT MARK ST
Owner/Operator City,State,Zip:	GARDEN GROVE, CA 92845-1108
Owner/Operator Telephone:	213-324-5264
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20191024
Handler Name: SEAN REDMOND	

SEAN REDMOND (Continued) **1025859749**

Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

A2 **VALERIE BRIGHAM** **RCRA NonGen / NLR** **1027453246**
WSW **11831 SAINT MARK ST** **CAC003191282**
< 1/8 **GARDEN GROVE, CA 92845**
0.039 mi.
207 ft. **Site 2 of 2 in cluster A**

Relative:
Higher

Actual:
32 ft.

RCRA Listings:

Date Form Received by Agency:	20220822
Handler Name:	Valerie Brigham
Handler Address:	11831 SAINT MARK ST
Handler City,State,Zip:	GARDEN GROVE, CA 92845
EPA ID:	CAC003191282
Contact Name:	VALERIE BRIGHAM
Contact Address:	11831 SAINT MARK ST
Contact City,State,Zip:	GARDEN GROVE, CA 92845
Contact Telephone:	714-650-2372
Contact Fax:	Not reported
Contact Email:	ELIZABETHS@PWSEI.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	11831 SAINT MARK ST
Mailing City,State,Zip:	GARDEN GROVE, CA 92845
Owner Name:	Valerie Brigham
Owner Type:	Other
Operator Name:	Valerie Brigham
Operator Type:	Other

VALERIE BRIGHAM (Continued) **1027453246**

Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20220822
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: VALERIE BRIGHAM	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11831 SAINT MARK ST
Owner/Operator City,State,Zip:	GARDEN GROVE, CA 92845
Owner/Operator Telephone:	714-650-2372
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: VALERIE BRIGHAM	

VALERIE BRIGHAM (Continued) **1027453246**

Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11831 SAINT MARK ST
Owner/Operator City,State,Zip:	GARDEN GROVE, CA 92845
Owner/Operator Telephone:	714-650-2372
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20220822
Handler Name: VALERIE BRIGHAM	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

B3 **SEAN SUTER** **RCRA NonGen / NLR** **1025847742**
North **5814 APIA DR** **CAC003027760**
< 1/8 **CYPRESS, CA 90630**
0.069 mi.
364 ft. **Site 1 of 5 in cluster B**

Relative:
Higher

Actual:
33 ft.

RCRA Listings:

Date Form Received by Agency:	20190805
Handler Name:	Sean Suter
Handler Address:	5814 APIA DR
Handler City,State,Zip:	CYPRESS, CA 90630-5505
EPA ID:	CAC003027760
Contact Name:	SEAN SUTER
Contact Address:	5814 APIA DR
Contact City,State,Zip:	CYPRESS, CA 90630-5505
Contact Telephone:	562-209-2118
Contact Fax:	Not reported
Contact Email:	DENNIS@FORTEENVIRONMENTAL.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported

SEAN SUTER (Continued) **1025847742**

Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	5814 APIA DR
Mailing City,State,Zip:	CYPRESS, CA 90630-5505
Owner Name:	Sean Suter
Owner Type:	Other
Operator Name:	Sean Suter
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20190910
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:
Owner/Operator Indicator: Owner

SEAN SUTER (Continued) **1025847742**

Owner/Operator Name: SEAN SUTER
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 5814 APIA DR
Owner/Operator City,State,Zip: CYPRESS, CA 90630-5505
Owner/Operator Telephone: 562-209-2118
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: SEAN SUTER
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 5814 APIA DR
Owner/Operator City,State,Zip: CYPRESS, CA 90630-5505
Owner/Operator Telephone: 562-209-2118
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20190805
Handler Name: SEAN SUTER
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

B4 North < 1/8 0.069 mi. 364 ft. | **YANFEI WEI**
5814 APIA DRIVE
CYPRESS, CA 90630

Site 2 of 5 in cluster B

RCRA NonGen / NLR | **1026825095**
CAC003138159

Relative: Higher

Actual: 33 ft.

RCRA Listings:

Date Form Received by Agency:	20210909
Handler Name:	Yanfei Wei
Handler Address:	5814 APIA DRIVE
Handler City,State,Zip:	CYPRESS, CA 90630
EPA ID:	CAC003138159
Contact Name:	YANFEI WEI
Contact Address:	5814 APIA DRIVE
Contact City,State,Zip:	CYPRESS, CA 90630
Contact Telephone:	657-256-2341
Contact Fax:	Not reported
Contact Email:	WYFEIZJ@GMAIL.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	5814 APIA DRIVE
Mailing City,State,Zip:	CYPRESS, CA 90630
Owner Name:	Yanfei Wei
Owner Type:	Other
Operator Name:	Yanfei Wei
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No

YANFEI WEI (Continued) **1026825095**

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210913
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: YANFEI WEI	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	5814 APIA DRIVE
Owner/Operator City,State,Zip:	CYPRESS, CA 90630
Owner/Operator Telephone:	657-256-2341
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: YANFEI WEI	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	5814 APIA DRIVE
Owner/Operator City,State,Zip:	CYPRESS, CA 90630
Owner/Operator Telephone:	657-256-2341
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20210909
Handler Name: YANFEI WEI	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

YANFEI WEI (Continued) **1026825095**

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

C5 NW < 1/8 0.095 mi. 502 ft. | **VELMA VON BLOCKER** | **RCRA NonGen / NLR** | **1027069453**
5714 APIA DRIVE | **CAC003140838**
CYPRESS, CA 90630

Site 1 of 2 in cluster C

Relative: Higher
Actual: 33 ft.

RCRA Listings:

Date Form Received by Agency:	20210927
Handler Name:	Velma Von Blocker
Handler Address:	5714 APIA DRIVE
Handler City,State,Zip:	CYPRESS, CA 90630
EPA ID:	CAC003140838
Contact Name:	VELMA VON BLOCKER
Contact Address:	5714 APIA DRIVE
Contact City,State,Zip:	CYPRESS, CA 90630
Contact Telephone:	714-306-8050
Contact Fax:	Not reported
Contact Email:	VELMA@CA.RR.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	5714 APIA DRIVE
Mailing City,State,Zip:	CYPRESS, CA 90630
Owner Name:	Velma Von Blocker
Owner Type:	Other
Operator Name:	Velma Von Blocker
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No

VELMA VON BLOCKER (Continued) **1027069453**

Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210927
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: VELMA VON BLOCKER	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	5714 APIA DRIVE
Owner/Operator City,State,Zip:	CYPRESS, CA 90630
Owner/Operator Telephone:	714-306-8050
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: VELMA VON BLOCKER	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	5714 APIA DRIVE
Owner/Operator City,State,Zip:	CYPRESS, CA 90630
Owner/Operator Telephone:	714-306-8050
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

VELMA VON BLOCKER (Continued) **1027069453**

Historic Generators:

Receive Date:	20210927
Handler Name:	VELMA VON BLOCKER
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

B6 **PETER GEORGE** **RCRA NonGen / NLR** **1026820940**
North **11691 RABAUL DR** **CAC003133838**
< 1/8 **CYPRESS, CA 90630**
0.099 mi.
521 ft. **Site 3 of 5 in cluster B**

Relative:
Higher

Actual:
33 ft.

RCRA Listings:

Date Form Received by Agency:	20210811
Handler Name:	Peter George
Handler Address:	11691 RABAUL DR
Handler City,State,Zip:	CYPRESS, CA 90630
EPA ID:	CAC003133838
Contact Name:	PETER GEORGE
Contact Address:	11691 RABAUL DR
Contact City,State,Zip:	CYPRESS, CA 90630
Contact Telephone:	714-366-7310
Contact Fax:	Not reported
Contact Email:	ERNIE@SIRRIS.BIZ
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	11691 RABAUL DR
Mailing City,State,Zip:	CYPRESS, CA 90630
Owner Name:	Peter George

PETER GEORGE (Continued) **1026820940**

Owner Type:	Other
Operator Name:	Peter George
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210812
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: PETER GEORGE	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11691 RABAUL DR
Owner/Operator City,State,Zip:	CYPRESS, CA 90630
Owner/Operator Telephone:	714-366-7310
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

PETER GEORGE (Continued) **1026820940**

Owner/Operator Indicator: Operator
Owner/Operator Name: PETER GEORGE
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 11691 RABAUL DR
Owner/Operator City,State,Zip: CYPRESS, CA 90630
Owner/Operator Telephone: 714-366-7310
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20210811
Handler Name: PETER GEORGE
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

B7 **IAN KOKOT** **RCRA NonGen / NLR** **1025846715**
North **11681 RABAUL DR** **CAC003026655**
< 1/8 **CYPRESS, CA 90630**
0.109 mi.
574 ft. **Site 4 of 5 in cluster B**

Relative:
Higher

Actual:
33 ft.

RCRA Listings:
Date Form Received by Agency: 20190730
Handler Name: Ian Kokot
Handler Address: 11681 RABAUL DR
Handler City,State,Zip: CYPRESS, CA 90630-5538
EPA ID: CAC003026655
Contact Name: IAN KOKOT
Contact Address: 11681 RABAUL DR
Contact City,State,Zip: CYPRESS, CA 90630-5538
Contact Telephone: 562-879-5653
Contact Fax: Not reported
Contact Email: MANIFEST.SIRRIS@GMAIL.COM
Contact Title: Not reported

IAN KOKOT (Continued) **1025846715**

EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	11681 RABAUL DR
Mailing City,State,Zip:	CYPRESS, CA 90630-5538
Owner Name:	Ian Kokot
Owner Type:	Other
Operator Name:	Ian Kokot
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20190910
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

IAN KOKOT (Continued) **1025846715**

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: IAN KOKOT	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11681 RABAUL DR
Owner/Operator City,State,Zip:	CYPRESS, CA 90630-5538
Owner/Operator Telephone:	562-879-5653
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: IAN KOKOT	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11681 RABAUL DR
Owner/Operator City,State,Zip:	CYPRESS, CA 90630-5538
Owner/Operator Telephone:	562-879-5653
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20190730
Handler Name: IAN KOKOT	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

B8 North < 1/8 0.112 mi. 592 ft. | **SAENZ, JEFF**
11672 RABAUL DRIVE
CYPRESS, CA 90630

Site 5 of 5 in cluster B

RCRA NonGen / NLR | **1024769182**
CAC002989070

Relative: Higher

Actual: 34 ft.

RCRA Listings:

Date Form Received by Agency:	20181113
Handler Name:	Saenz, Jeff
Handler Address:	11672 RABAUL DRIVE
Handler City,State,Zip:	CYPRESS, CA 90630
EPA ID:	CAC002989070
Contact Name:	SAENZ, JEFF
Contact Address:	11672 RABAUL DRIVE
Contact City,State,Zip:	CYPRESS, CA 90630
Contact Telephone:	562-308-6014
Contact Fax:	Not reported
Contact Email:	ANDREWC@PWSEI.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	11672 RABAUL DRIVE
Mailing City,State,Zip:	CYPRESS, CA 90630
Owner Name:	Saenz, Jeff
Owner Type:	Other
Operator Name:	Saenz, Jeff
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No

SAENZ, JEFF (Continued) **1024769182**

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20181120
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: SAENZ, JEFF	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11672 RABAUL DRIVE
Owner/Operator City,State,Zip:	CYPRESS, CA 90630
Owner/Operator Telephone:	562-308-6014
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: SAENZ, JEFF	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11672 RABAUL DRIVE
Owner/Operator City,State,Zip:	CYPRESS, CA 90630
Owner/Operator Telephone:	562-308-6014
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20181113
Handler Name: SAENZ, JEFF	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

SAENZ, JEFF (Continued) **1024769182**

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

C9 NNW < 1/8 0.117 mi. 619 ft. | **NANCY LAN** | **RCRA NonGen / NLR** | **1026474061**
11679 MIDWAY DRIVE | **CAC003079750**
CYPRESS, CA 90630

Site 2 of 2 in cluster C

Relative: Higher
Actual: 33 ft.

RCRA Listings:

Date Form Received by Agency:	20200818
Handler Name:	Nancy Lan
Handler Address:	11679 MIDWAY DRIVE
Handler City,State,Zip:	CYPRESS, CA 90630
EPA ID:	CAC003079750
Contact Name:	NANCY LAN
Contact Address:	11679 MIDWAY DRIVE
Contact City,State,Zip:	CYPRESS, CA 90630
Contact Telephone:	626-333-5380
Contact Fax:	Not reported
Contact Email:	SHAY@PRECISIONENV.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	11679 MIDWAY DRIVE
Mailing City,State,Zip:	CYPRESS, CA 90630
Owner Name:	Nancy Lan
Owner Type:	Other
Operator Name:	Nancy Lan
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No

NANCY LAN (Continued) **1026474061**

Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200904
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: NANCY LAN	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11679 MIDWAY DRIVE
Owner/Operator City,State,Zip:	CYPRESS, CA 90630
Owner/Operator Telephone:	626-333-5380
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: NANCY LAN	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11679 MIDWAY DRIVE
Owner/Operator City,State,Zip:	CYPRESS, CA 90630
Owner/Operator Telephone:	626-333-5380
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

NANCY LAN (Continued) **1026474061**

Historic Generators:

Receive Date:	20200818
Handler Name: NANCY LAN	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

D10 **PAUL KUBIT** **RCRA NonGen / NLR** **1027214264**
NE **11687 GUAM CIRCLE** **CAC003178897**
< 1/8 **CYPRESS, CA 90630**
0.123 mi.
652 ft. **Site 1 of 4 in cluster D**

Relative:
Higher

Actual:
34 ft.

RCRA Listings:

Date Form Received by Agency:	20220601
Handler Name:	Paul Kubit
Handler Address:	11687 GUAM CIRCLE
Handler City,State,Zip:	CYPRESS, CA 90630
EPA ID:	CAC003178897
Contact Name:	PAUL KUBIT
Contact Address:	11687 GUAM CIRCLE
Contact City,State,Zip:	CYPRESS, CA 90630
Contact Telephone:	714-745-4318
Contact Fax:	Not reported
Contact Email:	MANIFEST.SIRRIS@GMAIL.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	11687 GUAM CIRCLE
Mailing City,State,Zip:	CYPRESS, CA 90630
Owner Name:	Paul Kubit

PAUL KUBIT (Continued) **1027214264**

Owner Type:	Other
Operator Name:	Paul Kubit
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20220606
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: PAUL KUBIT	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11687 GUAM CIRCLE
Owner/Operator City,State,Zip:	CYPRESS, CA 90630
Owner/Operator Telephone:	714-745-4318
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

PAUL KUBIT (Continued) **1027214264**

Owner/Operator Indicator: Operator
Owner/Operator Name: PAUL KUBIT
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 11687 GUAM CIRCLE
Owner/Operator City,State,Zip: CYPRESS, CA 90630
Owner/Operator Telephone: 714-745-4318
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20220601
Handler Name: PAUL KUBIT
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

E11 **DUANNE GREAVER** **RCRA NonGen / NLR** **1025846247**
NNE **11654 MANILA DR** **CAC003026027**
1/8-1/4 **CYPRESS, CA 90630**
0.129 mi.
681 ft. **Site 1 of 5 in cluster E**

Relative:
Higher

Actual:
34 ft.

RCRA Listings:
Date Form Received by Agency: 20190726
Handler Name: Duanne Greaver
Handler Address: 11654 MANILA DR
Handler City,State,Zip: CYPRESS, CA 90630-5528
EPA ID: CAC003026027
Contact Name: DUANNE GREAVER
Contact Address: 11654 MANILA DR
Contact City,State,Zip: CYPRESS, CA 90630-5528
Contact Telephone: 909-349-7812
Contact Fax: Not reported
Contact Email: NANCYRUIZ@ALLIANCE-ENVIRO.COM
Contact Title: Not reported

DUANNE GREAVER (Continued) **1025846247**

EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	11654 MANILA DR
Mailing City,State,Zip:	CYPRESS, CA 90630-5528
Owner Name:	Duanne Greaver
Owner Type:	Other
Operator Name:	Duanne Greaver
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20190729
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

DUANNE GREAVER (Continued) **1025846247**

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: DUANNE GREAVER	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11654 MANILA DR
Owner/Operator City,State,Zip:	CYPRESS, CA 90630-5528
Owner/Operator Telephone:	909-349-7812
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: DUANNE GREAVER	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11654 MANILA DR
Owner/Operator City,State,Zip:	CYPRESS, CA 90630-5528
Owner/Operator Telephone:	909-349-7812
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20190726
Handler Name: DUANNE GREAVER	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

F12 ESE 1/8-1/4 0.131 mi. 692 ft. | **2041 VONS A SAFEWAY COMPANY**
11861 VALLEY VIEW ST
GARDEN GROVE, CA 92845

Site 1 of 5 in cluster F

CERS HAZ WASTE
HWTS
HAZNET
CERS

S113158945
N/A

Relative: Higher

Actual: 33 ft.

CERS HAZ WASTE:

Name:	2041 VONS A SAFEWAY COMPANY
Address:	11861 VALLEY VIEW ST
City,State,Zip:	GARDEN GROVE, CA 92845
Site ID:	21488
CERS ID:	10173407
CERS Description:	Hazardous Waste Generator

HWTS:

Name:	VONS STORE #2041
Address:	11861 VALLEY VIEW ST
Address 2:	Not reported
City,State,Zip:	GARDEN GROVE, CA 92845
EPA ID:	CAL000353872
Inactive Date:	07/23/2019
Create Date:	06/24/2010
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	250 E PARKCENTER BLVD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	BOISE, ID 84706
Owner Name:	SAFEWAY INC
Owner Address:	250 E PARKCENTER BLVD
Owner Address 2:	Not reported
Owner City,State,Zip:	BOISE, ID 837060000
Owner Phone:	Not reported
Owner Fax:	Not reported
Contact Name:	SHARON SANGER
Contact Address:	250 E PARKCENTER BLVD
Contact Address 2:	Not reported
City,State,Zip:	BOISE, ID 83706
Contact Phone:	Not reported
Contact Fax:	Not reported
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	33.79007
Longitude:	-118.02924

NAICS:

EPA ID:	CAL000353872
Create Date:	2010-06-24 13:11:29.053
NAICS Code:	45291
NAICS Description:	Warehouse Clubs and Superstores
Issued EPA ID Date:	2010-06-24 13:11:29.05000
Inactive Date:	2019-07-23 00:00:00
Facility Name:	VONS STORE #2041
Facility Address:	11861 VALLEY VIEW ST
Facility Address 2:	Not reported
Facility City:	GARDEN GROVE
Facility County:	Not reported
Facility State:	CA
Facility Zip:	928451236

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Name:	VONS STORE #2041
Address:	11861 VALLEY VIEW ST
Address 2:	Not reported
City,State,Zip:	GARDEN GROVE, CA 92845
EPA ID:	CAL000442540
Inactive Date:	Not reported
Create Date:	01/22/2019
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	250 E PARKCENTER BLVD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	BOISE, ID 83706
Owner Name:	THE VONS COMPANIES INC
Owner Address:	250 E PARKCENTER BLVD
Owner Address 2:	Not reported
Owner City,State,Zip:	BOISE, ID 86706
Owner Phone:	Not reported
Owner Fax:	Not reported
Contact Name:	SHARON SANGER
Contact Address:	250 E PARKCENTER BLVD
Contact Address 2:	Not reported
City,State,Zip:	BOISE, ID 83706
Contact Phone:	Not reported
Contact Fax:	Not reported
Facility Status:	Active
Facility Type:	PERMANENT
Category:	STATE
Latitude:	33.790194
Longitude:	-118.0292535

NAICS:

EPA ID:	CAL000442540
Create Date:	2019-01-22 14:08:26.977
NAICS Code:	454390
NAICS Description:	Other Direct Selling Establishments
Issued EPA ID Date:	2019-01-22 14:08:26.96000
Inactive Date:	Not reported
Facility Name:	VONS STORE #2041
Facility Address:	11861 VALLEY VIEW ST
Facility Address 2:	Not reported
Facility City:	GARDEN GROVE
Facility County:	Not reported
Facility State:	CA
Facility Zip:	92845

HAZNET:

Name:	VONS STORE #2041
Address:	11861 VALLEY VIEW ST
Address 2:	Not reported
City,State,Zip:	GARDEN GROVE, CA 92845
Contact:	SHARON SANGER
Telephone:	2083956150
Mailing Name:	Not reported
Mailing Address:	250 E PARKCENTER BLVD
Year:	2021

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Gepaid:	CAL000442540
TSD EPA ID:	NVT330010000
CA Waste Code:	141 - Off-specification, aged or surplus inorganics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0015
Year:	2021
Gepaid:	CAL000442540
TSD EPA ID:	NVT330010000
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.0005
Year:	2021
Gepaid:	CAL000442540
TSD EPA ID:	NVT330010000
CA Waste Code:	343 - Unspecified organic liquid mixture
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.006
Year:	2021
Gepaid:	CAL000442540
TSD EPA ID:	NVT330010000
CA Waste Code:	141 - Off-specification, aged or surplus inorganics
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.028
Year:	2021
Gepaid:	CAL000442540
TSD EPA ID:	NVT330010000
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0005
Year:	2021
Gepaid:	CAL000442540
TSD EPA ID:	NVT330010000
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.663
Year:	2021
Gepaid:	CAL000442540
TSD EPA ID:	NVT330010000
CA Waste Code:	141 - Off-specification, aged or surplus inorganics
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.002
Year:	2021
Gepaid:	CAL000442540

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

TSD EPA ID:	NVT330010000
CA Waste Code:	122 - Alkaline solution without metals pH >= 12.5
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.009
Year:	2021
Gepaid:	CAL000442540
TSD EPA ID:	NVT330010000
CA Waste Code:	791 - Liquids with pH <= 2
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.0105
Year:	2021
Gepaid:	CAL000442540
TSD EPA ID:	NVT330010000
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.1935

Click this hyperlink while viewing on your computer to access
73 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year:	2021
Gen EPA ID:	CAL000442540
Shipment Date:	8/11/2020
Creation Date:	9/3/2020
Receipt Date:	8/25/2020
Manifest ID:	022022151JJK
Trans EPA ID:	MIK435642742
Trans Name:	EQ INDUSTRIAL SERVICES INC
Trans 2 EPA ID:	MOD095038998
Trans 2 Name:	BED ROCK INC DBA TRI STATE MOTOR TRANSIT CO
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA, INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.0455
Waste Quantity:	91
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	8/11/2020
Creation Date:	9/3/2020

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Receipt Date:	8/25/2020
Manifest ID:	022022151JJK
Trans EPA ID:	MIK435642742
Trans Name:	EQ INDUSTRIAL SERVICES INC
Trans 2 EPA ID:	MOD095038998
Trans 2 Name:	BED ROCK INC DBA TRI STATE MOTOR TRANSIT CO
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA, INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.003
Waste Quantity:	6
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	8/11/2020
Creation Date:	9/3/2020
Receipt Date:	8/25/2020
Manifest ID:	022022151JJK
Trans EPA ID:	MIK435642742
Trans Name:	EQ INDUSTRIAL SERVICES INC
Trans 2 EPA ID:	MOD095038998
Trans 2 Name:	BED ROCK INC DBA TRI STATE MOTOR TRANSIT CO
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA, INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	8/11/2020
Creation Date:	9/3/2020
Receipt Date:	8/25/2020
Manifest ID:	022022151JJK
Trans EPA ID:	MIK435642742
Trans Name:	EQ INDUSTRIAL SERVICES INC
Trans 2 EPA ID:	MOD095038998
Trans 2 Name:	BED ROCK INC DBA TRI STATE MOTOR TRANSIT CO
TSDF EPA ID:	NVT330010000

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Trans Name:	US ECOLOGY NEVADA, INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001,D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.009
Waste Quantity:	18
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	8/11/2020
Creation Date:	9/3/2020
Receipt Date:	8/25/2020
Manifest ID:	022022151JJK
Trans EPA ID:	MIK435642742
Trans Name:	EQ INDUSTRIAL SERVICES INC
Trans 2 EPA ID:	MOD095038998
Trans 2 Name:	BED ROCK INC DBA TRI STATE MOTOR TRANSIT CO
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA, INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.0025
Waste Quantity:	5
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	8/11/2020
Creation Date:	9/3/2020
Receipt Date:	8/25/2020
Manifest ID:	022022151JJK
Trans EPA ID:	MIK435642742
Trans Name:	EQ INDUSTRIAL SERVICES INC
Trans 2 EPA ID:	MOD095038998
Trans 2 Name:	BED ROCK INC DBA TRI STATE MOTOR TRANSIT CO
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA, INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001,D018,D035,
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Quantity Tons:	0.004
Waste Quantity:	8
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	8/11/2020
Creation Date:	9/3/2020
Receipt Date:	8/25/2020
Manifest ID:	022022151JJK
Trans EPA ID:	MIK435642742
Trans Name:	EQ INDUSTRIAL SERVICES INC
Trans 2 EPA ID:	MOD095038998
Trans 2 Name:	BED ROCK INC DBA TRI STATE MOTOR TRANSIT CO
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA, INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D007,D010,D011
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.034
Waste Quantity:	68
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	5/5/2020
Creation Date:	5/21/2020
Receipt Date:	5/14/2020
Manifest ID:	021196984JJK
Trans EPA ID:	MIK435642742
Trans Name:	EQ INDUSTRIAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA, INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001,D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.009
Waste Quantity:	18
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Additional Code 5:	Not reported
Shipment Date:	5/5/2020
Creation Date:	5/21/2020
Receipt Date:	5/14/2020
Manifest ID:	021196984JJK
Trans EPA ID:	MIK435642742
Trans Name:	EQ INDUSTRIAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA, INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.023
Waste Quantity:	46
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	5/5/2020
Creation Date:	5/21/2020
Receipt Date:	5/14/2020
Manifest ID:	021196984JJK
Trans EPA ID:	MIK435642742
Trans Name:	EQ INDUSTRIAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA, INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D009
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2020
Gen EPA ID:	CAL000442540
Shipment Date:	8/11/2020

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Creation Date:	9/3/2020
Receipt Date:	8/25/2020
Manifest ID:	022022151JJK
Trans EPA ID:	MIK435642742
Trans Name:	EQ INDUSTRIAL SERVICES INC
Trans 2 EPA ID:	MOD095038998
Trans 2 Name:	BED ROCK INC DBA TRI STATE MOTOR TRANSIT CO
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA, INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.0455
Waste Quantity:	91
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	8/11/2020
Creation Date:	9/3/2020
Receipt Date:	8/25/2020
Manifest ID:	022022151JJK
Trans EPA ID:	MIK435642742
Trans Name:	EQ INDUSTRIAL SERVICES INC
Trans 2 EPA ID:	MOD095038998
Trans 2 Name:	BED ROCK INC DBA TRI STATE MOTOR TRANSIT CO
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA, INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.003
Waste Quantity:	6
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	8/11/2020
Creation Date:	9/3/2020
Receipt Date:	8/25/2020
Manifest ID:	022022151JJK
Trans EPA ID:	MIK435642742
Trans Name:	EQ INDUSTRIAL SERVICES INC
Trans 2 EPA ID:	MOD095038998
Trans 2 Name:	BED ROCK INC DBA TRI STATE MOTOR TRANSIT CO

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA, INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	8/11/2020
Creation Date:	9/3/2020
Receipt Date:	8/25/2020
Manifest ID:	022022151JJK
Trans EPA ID:	MIK435642742
Trans Name:	EQ INDUSTRIAL SERVICES INC
Trans 2 EPA ID:	MOD095038998
Trans 2 Name:	BED ROCK INC DBA TRI STATE MOTOR TRANSIT CO
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA, INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001,D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.009
Waste Quantity:	18
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	8/11/2020
Creation Date:	9/3/2020
Receipt Date:	8/25/2020
Manifest ID:	022022151JJK
Trans EPA ID:	MIK435642742
Trans Name:	EQ INDUSTRIAL SERVICES INC
Trans 2 EPA ID:	MOD095038998
Trans 2 Name:	BED ROCK INC DBA TRI STATE MOTOR TRANSIT CO
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA, INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

	Regeneration, Organics Recovery Ect
Quantity Tons:	0.0025
Waste Quantity:	5
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	8/11/2020
Creation Date:	9/3/2020
Receipt Date:	8/25/2020
Manifest ID:	022022151JJK
Trans EPA ID:	MIK435642742
Trans Name:	EQ INDUSTRIAL SERVICES INC
Trans 2 EPA ID:	MOD095038998
Trans 2 Name:	BED ROCK INC DBA TRI STATE MOTOR TRANSIT CO
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA, INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001,D018,D035,
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.004
Waste Quantity:	8
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	8/11/2020
Creation Date:	9/3/2020
Receipt Date:	8/25/2020
Manifest ID:	022022151JJK
Trans EPA ID:	MIK435642742
Trans Name:	EQ INDUSTRIAL SERVICES INC
Trans 2 EPA ID:	MOD095038998
Trans 2 Name:	BED ROCK INC DBA TRI STATE MOTOR TRANSIT CO
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA, INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D007,D010,D011
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.034
Waste Quantity:	68
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	5/5/2020
Creation Date:	5/21/2020
Receipt Date:	5/14/2020
Manifest ID:	021196984JJK
Trans EPA ID:	MIK435642742
Trans Name:	EQ INDUSTRIAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA, INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001,D018,D035,
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0055
Waste Quantity:	11
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	5/5/2020
Creation Date:	5/21/2020
Receipt Date:	5/14/2020
Manifest ID:	021196984JJK
Trans EPA ID:	MIK435642742
Trans Name:	EQ INDUSTRIAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA, INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.002
Waste Quantity:	4
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	5/5/2020
Creation Date:	5/21/2020
Receipt Date:	5/14/2020
Manifest ID:	021196984JJK

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Trans EPA ID:	MIK435642742
Trans Name:	EQ INDUSTRIAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA, INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D007,D010,D011
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.004
Waste Quantity:	8
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Detail Two:

Year:	2020
EM Manifest ID:	215fa12d-0aec-4bcf-b2b6-562aae932318
Shipment Date:	8/11/2020
Receipt Date:	8/25/2020
Manifest Number:	022022151JJK
Generator EPA ID:	CAL000442540
Name:	VONS STORE #2041
Address:	11861 VALLEY VIEW ST
Address 2:	Not reported
City:	GARDEN GROVE
Zip:	92845
Telephone:	800-451-8346
Contact:	Not reported
Contact Telephone:	800-451-8346
Transporter 1 EPA ID:	MIK435642742
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MOD095038998
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NVT330010000
TSDF Name:	US ECOLOGY NEVADA, INC
TSDF Address 1:	HWY 95 11 MI S OF BEATTY
TSDF Address 2:	Not reported
TSDF City:	BEATTY
TSDF Zip:	89003
TSDF Telephone:	800-839-3975

Federal:

Year:	2020
EM Manifest ID:	215fa12d-0aec-4bcf-b2b6-562aae932318
Generator EPA ID:	CAL000442540
Shipment Date:	2020-08-11
Manifest Number:	022022151JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00400

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Quantity Waste:	8.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001

Year:	2020
EM Manifest ID:	215fa12d-0aec-4bcf-b2b6-562aae932318
Generator EPA ID:	CAL000442540
Shipment Date:	2020-08-11
Manifest Number:	022022151JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00400
Quantity Waste:	8.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D018

Year:	2020
EM Manifest ID:	215fa12d-0aec-4bcf-b2b6-562aae932318
Generator EPA ID:	CAL000442540
Shipment Date:	2020-08-11
Manifest Number:	022022151JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00400
Quantity Waste:	8.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D035

Year:	2020
EM Manifest ID:	215fa12d-0aec-4bcf-b2b6-562aae932318
Generator EPA ID:	CAL000442540
Shipment Date:	2020-08-11
Manifest Number:	022022151JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00400
Quantity Waste:	8.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	U002

Year:	2020
EM Manifest ID:	215fa12d-0aec-4bcf-b2b6-562aae932318
Generator EPA ID:	CAL000442540
Shipment Date:	2020-08-11
Manifest Number:	022022151JJK

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Line Number:	1
Method Code:	H141
Quantity Tons:	0.00400
Quantity Waste:	8.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	U117

Year:	2020
EM Manifest ID:	215fa12d-0aec-4bcf-b2b6-562aae932318
Generator EPA ID:	CAL000442540
Shipment Date:	2020-08-11
Manifest Number:	022022151JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00400
Quantity Waste:	8.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	U154

Year:	2020
EM Manifest ID:	215fa12d-0aec-4bcf-b2b6-562aae932318
Generator EPA ID:	CAL000442540
Shipment Date:	2020-08-11
Manifest Number:	022022151JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00400
Quantity Waste:	8.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	U159

Year:	2020
EM Manifest ID:	215fa12d-0aec-4bcf-b2b6-562aae932318
Generator EPA ID:	CAL000442540
Shipment Date:	2020-08-11
Manifest Number:	022022151JJK
Line Number:	2
Method Code:	H039
Quantity Tons:	0.00250
Quantity Waste:	5.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D002

Year:	2020
EM Manifest ID:	215fa12d-0aec-4bcf-b2b6-562aae932318

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Generator EPA ID:	CAL000442540
Shipment Date:	2020-08-11
Manifest Number:	022022151JJK
Line Number:	3
Method Code:	H039
Quantity Tons:	0.00300
Quantity Waste:	6.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D002

Year:	2020
EM Manifest ID:	215fa12d-0aec-4bcf-b2b6-562aae932318
Generator EPA ID:	CAL000442540
Shipment Date:	2020-08-11
Manifest Number:	022022151JJK
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001

Year:	2020
EM Manifest ID:	215fa12d-0aec-4bcf-b2b6-562aae932318
Generator EPA ID:	CAL000442540
Shipment Date:	2020-08-11
Manifest Number:	022022151JJK
Line Number:	5
Method Code:	H132
Quantity Tons:	0.03400
Quantity Waste:	68.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D007

Year:	2020
EM Manifest ID:	215fa12d-0aec-4bcf-b2b6-562aae932318
Generator EPA ID:	CAL000442540
Shipment Date:	2020-08-11
Manifest Number:	022022151JJK
Line Number:	5
Method Code:	H132
Quantity Tons:	0.03400
Quantity Waste:	68.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D010

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Year:	2020
EM Manifest ID:	215fa12d-0aec-4bcf-b2b6-562aae932318
Generator EPA ID:	CAL000442540
Shipment Date:	2020-08-11
Manifest Number:	022022151JJK
Line Number:	5
Method Code:	H132
Quantity Tons:	0.03400
Quantity Waste:	68.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D011

Year:	2020
EM Manifest ID:	215fa12d-0aec-4bcf-b2b6-562aae932318
Generator EPA ID:	CAL000442540
Shipment Date:	2020-08-11
Manifest Number:	022022151JJK
Line Number:	6
Method Code:	H141
Quantity Tons:	0.00900
Quantity Waste:	18.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001

Year:	2020
EM Manifest ID:	215fa12d-0aec-4bcf-b2b6-562aae932318
Generator EPA ID:	CAL000442540
Shipment Date:	2020-08-11
Manifest Number:	022022151JJK
Line Number:	6
Method Code:	H141
Quantity Tons:	0.00900
Quantity Waste:	18.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D002

State:

Year:	2020
EM Manifest ID:	215fa12d-0aec-4bcf-b2b6-562aae932318
Generator EPA ID:	CAL000442540
Shipment Date:	2020-08-11
Manifest Number:	022022151JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00400
Quantity Waste:	8.000000
Quantity Unit:	P
Number of Containers:	1

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	343
Year:	2020
EM Manifest ID:	215fa12d-0aec-4bcf-b2b6-562aae932318
Generator EPA ID:	CAL000442540
Shipment Date:	2020-08-11
Manifest Number:	022022151JJK
Line Number:	2
Method Code:	H039
Quantity Tons:	0.00250
Quantity Waste:	5.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	791
Year:	2020
EM Manifest ID:	215fa12d-0aec-4bcf-b2b6-562aae932318
Generator EPA ID:	CAL000442540
Shipment Date:	2020-08-11
Manifest Number:	022022151JJK
Line Number:	3
Method Code:	H039
Quantity Tons:	0.00300
Quantity Waste:	6.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	122
Year:	2020
EM Manifest ID:	215fa12d-0aec-4bcf-b2b6-562aae932318
Generator EPA ID:	CAL000442540
Shipment Date:	2020-08-11
Manifest Number:	022022151JJK
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331
Year:	2020
EM Manifest ID:	215fa12d-0aec-4bcf-b2b6-562aae932318
Generator EPA ID:	CAL000442540
Shipment Date:	2020-08-11
Manifest Number:	022022151JJK
Line Number:	5
Method Code:	H132
Quantity Tons:	0.03400

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Quantity Waste:	68.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	331

Year:	2020
EM Manifest ID:	215fa12d-0aec-4bcf-b2b6-562aae932318
Generator EPA ID:	CAL000442540
Shipment Date:	2020-08-11
Manifest Number:	022022151JJK
Line Number:	6
Method Code:	H141
Quantity Tons:	0.00900
Quantity Waste:	18.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331

Year:	2020
EM Manifest ID:	215fa12d-0aec-4bcf-b2b6-562aae932318
Generator EPA ID:	CAL000442540
Shipment Date:	2020-08-11
Manifest Number:	022022151JJK
Line Number:	7
Method Code:	H039
Quantity Tons:	0.04550
Quantity Waste:	91.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	331

Year:	2020
EM Manifest ID:	1092557
Shipment Date:	2/20/2020
Receipt Date:	2/28/2020
Manifest Number:	020771938JJK
Generator EPA ID:	CAL000442540
Name:	VONS STORE #2041
Address:	11861 VALLEY VIEW ST
Address 2:	Not reported
City:	GARDEN GROVE
Zip:	92845
Telephone:	800-451-8346
Contact:	Not reported
Contact Telephone:	208-395-6150
Transporter 1 EPA ID:	MIK435642742
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	ALR000007237
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NVT330010000

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

TSDF Name:	US ECOLOGY NEVADA, INC
TSDF Address 1:	HWY 95 11 MI S OF BEATTY
TSDF Address 2:	Not reported
TSDF City:	BEATTY
TSDF Zip:	89003
TSDF Telephone:	800-839-3975

Federal:

Year:	2020
EM Manifest ID:	1092557
Generator EPA ID:	CAL000442540
Shipment Date:	2020-02-20
Manifest Number:	020771938JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00650
Quantity Waste:	13.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001

Year:	2020
EM Manifest ID:	1092557
Generator EPA ID:	CAL000442540
Shipment Date:	2020-02-20
Manifest Number:	020771938JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00650
Quantity Waste:	13.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D018

Year:	2020
EM Manifest ID:	1092557
Generator EPA ID:	CAL000442540
Shipment Date:	2020-02-20
Manifest Number:	020771938JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00650
Quantity Waste:	13.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D035

Year:	2020
EM Manifest ID:	1092557
Generator EPA ID:	CAL000442540
Shipment Date:	2020-02-20
Manifest Number:	020771938JJK

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Line Number:	1
Method Code:	H141
Quantity Tons:	0.00650
Quantity Waste:	13.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	U002

Year:	2020
EM Manifest ID:	1092557
Generator EPA ID:	CAL000442540
Shipment Date:	2020-02-20
Manifest Number:	020771938JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00650
Quantity Waste:	13.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	U117

Year:	2020
EM Manifest ID:	1092557
Generator EPA ID:	CAL000442540
Shipment Date:	2020-02-20
Manifest Number:	020771938JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00650
Quantity Waste:	13.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	U154

Year:	2020
EM Manifest ID:	1092557
Generator EPA ID:	CAL000442540
Shipment Date:	2020-02-20
Manifest Number:	020771938JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00650
Quantity Waste:	13.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	U159

Year:	2020
EM Manifest ID:	1092557

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Generator EPA ID:	CAL000442540
Shipment Date:	2020-02-20
Manifest Number:	020771938JJK
Line Number:	2
Method Code:	H039
Quantity Tons:	0.00800
Quantity Waste:	16.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D002

Year:	2020
EM Manifest ID:	1092557
Generator EPA ID:	CAL000442540
Shipment Date:	2020-02-20
Manifest Number:	020771938JJK
Line Number:	3
Method Code:	H039
Quantity Tons:	0.00500
Quantity Waste:	10.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D002

Year:	2020
EM Manifest ID:	1092557
Generator EPA ID:	CAL000442540
Shipment Date:	2020-02-20
Manifest Number:	020771938JJK
Line Number:	4
Method Code:	H039
Quantity Tons:	0.01200
Quantity Waste:	24.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D002

Year:	2020
EM Manifest ID:	1092557
Generator EPA ID:	CAL000442540
Shipment Date:	2020-02-20
Manifest Number:	020771938JJK
Line Number:	5
Method Code:	H132
Quantity Tons:	0.00900
Quantity Waste:	18.000000
Quantity Unit:	P
Number of Containers:	6
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D007

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Year:	2020
EM Manifest ID:	1092557
Generator EPA ID:	CAL000442540
Shipment Date:	2020-02-20
Manifest Number:	020771938JJK
Line Number:	5
Method Code:	H132
Quantity Tons:	0.00900
Quantity Waste:	18.000000
Quantity Unit:	P
Number of Containers:	6
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D010

Year:	2020
EM Manifest ID:	1092557
Generator EPA ID:	CAL000442540
Shipment Date:	2020-02-20
Manifest Number:	020771938JJK
Line Number:	5
Method Code:	H132
Quantity Tons:	0.00900
Quantity Waste:	18.000000
Quantity Unit:	P
Number of Containers:	6
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D011

Year:	2020
EM Manifest ID:	1092557
Generator EPA ID:	CAL000442540
Shipment Date:	2020-02-20
Manifest Number:	020771938JJK
Line Number:	6
Method Code:	H141
Quantity Tons:	0.01500
Quantity Waste:	30.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001

Year:	2020
EM Manifest ID:	1092557
Generator EPA ID:	CAL000442540
Shipment Date:	2020-02-20
Manifest Number:	020771938JJK
Line Number:	6
Method Code:	H141
Quantity Tons:	0.01500
Quantity Waste:	30.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Quantity Type: Pounds
Federal Code: D002

State:
Year: 2020
EM Manifest ID: 1092557
Generator EPA ID: CAL000442540
Shipment Date: 2020-02-20
Manifest Number: 020771938JJK
Line Number: 1
Method Code: H141
Quantity Tons: 0.00650
Quantity Waste: 13.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
State Code: 343

Year: 2020
EM Manifest ID: 1092557
Generator EPA ID: CAL000442540
Shipment Date: 2020-02-20
Manifest Number: 020771938JJK
Line Number: 2
Method Code: H039
Quantity Tons: 0.00800
Quantity Waste: 16.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 791

Year: 2020
EM Manifest ID: 1092557
Generator EPA ID: CAL000442540
Shipment Date: 2020-02-20
Manifest Number: 020771938JJK
Line Number: 3
Method Code: H039
Quantity Tons: 0.00500
Quantity Waste: 10.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 122

Year: 2020
EM Manifest ID: 1092557
Generator EPA ID: CAL000442540
Shipment Date: 2020-02-20
Manifest Number: 020771938JJK
Line Number: 4
Method Code: H039
Quantity Tons: 0.01200

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Quantity Waste:	24.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	141

Year:	2020
EM Manifest ID:	1092557
Generator EPA ID:	CAL000442540
Shipment Date:	2020-02-20
Manifest Number:	020771938JJK
Line Number:	5
Method Code:	H132
Quantity Tons:	0.00900
Quantity Waste:	18.000000
Quantity Unit:	P
Number of Containers:	6
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331

Year:	2020
EM Manifest ID:	1092557
Generator EPA ID:	CAL000442540
Shipment Date:	2020-02-20
Manifest Number:	020771938JJK
Line Number:	6
Method Code:	H141
Quantity Tons:	0.01500
Quantity Waste:	30.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331

Year:	2020
EM Manifest ID:	1092557
Generator EPA ID:	CAL000442540
Shipment Date:	2020-02-20
Manifest Number:	020771938JJK
Line Number:	7
Method Code:	H039
Quantity Tons:	0.07950
Quantity Waste:	159.000000
Quantity Unit:	P
Number of Containers:	16
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	331

Year:	2020
EM Manifest ID:	c345e165-d007-4e9b-bc59-357afb01eb8e
Shipment Date:	11/9/2020
Receipt Date:	11/19/2020

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Manifest Number:	021369656JJK
Generator EPA ID:	CAL000442540
Name:	VONS STORE #2041
Address:	11861 VALLEY VIEW ST
Address 2:	Not reported
City:	GARDEN GROVE
Zip:	92845
Telephone:	800-451-8346
Contact:	Not reported
Contact Telephone:	800-451-8346
Transporter 1 EPA ID:	MIK435642742
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MOD095038998
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NVT330010000
TSDF Name:	US ECOLOGY NEVADA, INC
TSDF Address 1:	HWY 95 11 MI S OF BEATTY
TSDF Address 2:	Not reported
TSDF City:	BEATTY
TSDF Zip:	89003
TSDF Telephone:	800-839-3975

Federal:

Year:	2020
EM Manifest ID:	c345e165-d007-4e9b-bc59-357afb01eb8e
Generator EPA ID:	CAL000442540
Shipment Date:	2020-11-09
Manifest Number:	021369656JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00450
Quantity Waste:	9.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D001

Year:	2020
EM Manifest ID:	c345e165-d007-4e9b-bc59-357afb01eb8e
Generator EPA ID:	CAL000442540
Shipment Date:	2020-11-09
Manifest Number:	021369656JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00450
Quantity Waste:	9.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D002

Year:	2020
EM Manifest ID:	c345e165-d007-4e9b-bc59-357afb01eb8e
Generator EPA ID:	CAL000442540
Shipment Date:	2020-11-09
Manifest Number:	021369656JJK

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Line Number:	2
Method Code:	H141
Quantity Tons:	0.00400
Quantity Waste:	8.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001

Year:	2020
EM Manifest ID:	c345e165-d007-4e9b-bc59-357afb01eb8e
Generator EPA ID:	CAL000442540
Shipment Date:	2020-11-09
Manifest Number:	021369656JJK
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00400
Quantity Waste:	8.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D018

Year:	2020
EM Manifest ID:	c345e165-d007-4e9b-bc59-357afb01eb8e
Generator EPA ID:	CAL000442540
Shipment Date:	2020-11-09
Manifest Number:	021369656JJK
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00400
Quantity Waste:	8.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D035

Year:	2020
EM Manifest ID:	c345e165-d007-4e9b-bc59-357afb01eb8e
Generator EPA ID:	CAL000442540
Shipment Date:	2020-11-09
Manifest Number:	021369656JJK
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00400
Quantity Waste:	8.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	U002

Year:	2020
EM Manifest ID:	c345e165-d007-4e9b-bc59-357afb01eb8e

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Generator EPA ID:	CAL000442540
Shipment Date:	2020-11-09
Manifest Number:	021369656JJK
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00400
Quantity Waste:	8.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	U117

Year:	2020
EM Manifest ID:	c345e165-d007-4e9b-bc59-357afb01eb8e
Generator EPA ID:	CAL000442540
Shipment Date:	2020-11-09
Manifest Number:	021369656JJK
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00400
Quantity Waste:	8.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	U154

Year:	2020
EM Manifest ID:	c345e165-d007-4e9b-bc59-357afb01eb8e
Generator EPA ID:	CAL000442540
Shipment Date:	2020-11-09
Manifest Number:	021369656JJK
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00400
Quantity Waste:	8.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	U159

Year:	2020
EM Manifest ID:	c345e165-d007-4e9b-bc59-357afb01eb8e
Generator EPA ID:	CAL000442540
Shipment Date:	2020-11-09
Manifest Number:	021369656JJK
Line Number:	3
Method Code:	H039
Quantity Tons:	0.00400
Quantity Waste:	8.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D002

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Year:	2020
EM Manifest ID:	c345e165-d007-4e9b-bc59-357afb01eb8e
Generator EPA ID:	CAL000442540
Shipment Date:	2020-11-09
Manifest Number:	021369656JJK
Line Number:	4
Method Code:	H039
Quantity Tons:	0.00350
Quantity Waste:	7.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D002

Year:	2020
EM Manifest ID:	c345e165-d007-4e9b-bc59-357afb01eb8e
Generator EPA ID:	CAL000442540
Shipment Date:	2020-11-09
Manifest Number:	021369656JJK
Line Number:	5
Method Code:	H132
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D001

Year:	2020
EM Manifest ID:	c345e165-d007-4e9b-bc59-357afb01eb8e
Generator EPA ID:	CAL000442540
Shipment Date:	2020-11-09
Manifest Number:	021369656JJK
Line Number:	6
Method Code:	H132
Quantity Tons:	0.00600
Quantity Waste:	12.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D007

Year:	2020
EM Manifest ID:	c345e165-d007-4e9b-bc59-357afb01eb8e
Generator EPA ID:	CAL000442540
Shipment Date:	2020-11-09
Manifest Number:	021369656JJK
Line Number:	6
Method Code:	H132
Quantity Tons:	0.00600
Quantity Waste:	12.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Quantity Type: Pounds
Federal Code: D010

Year: 2020
EM Manifest ID: c345e165-d007-4e9b-bc59-357afb01eb8e
Generator EPA ID: CAL000442540
Shipment Date: 2020-11-09
Manifest Number: 021369656JJK
Line Number: 6
Method Code: H132
Quantity Tons: 0.00600
Quantity Waste: 12.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D011

State:
Year: 2020
EM Manifest ID: c345e165-d007-4e9b-bc59-357afb01eb8e
Generator EPA ID: CAL000442540
Shipment Date: 2020-11-09
Manifest Number: 021369656JJK
Line Number: 1
Method Code: H141
Quantity Tons: 0.00450
Quantity Waste: 9.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 331

Year: 2020
EM Manifest ID: c345e165-d007-4e9b-bc59-357afb01eb8e
Generator EPA ID: CAL000442540
Shipment Date: 2020-11-09
Manifest Number: 021369656JJK
Line Number: 2
Method Code: H141
Quantity Tons: 0.00400
Quantity Waste: 8.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 343

Year: 2020
EM Manifest ID: c345e165-d007-4e9b-bc59-357afb01eb8e
Generator EPA ID: CAL000442540
Shipment Date: 2020-11-09
Manifest Number: 021369656JJK
Line Number: 3
Method Code: H039
Quantity Tons: 0.00400

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Quantity Waste:	8.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	122

Year:	2020
EM Manifest ID:	c345e165-d007-4e9b-bc59-357afb01eb8e
Generator EPA ID:	CAL000442540
Shipment Date:	2020-11-09
Manifest Number:	021369656JJK
Line Number:	4
Method Code:	H039
Quantity Tons:	0.00350
Quantity Waste:	7.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	141

Year:	2020
EM Manifest ID:	c345e165-d007-4e9b-bc59-357afb01eb8e
Generator EPA ID:	CAL000442540
Shipment Date:	2020-11-09
Manifest Number:	021369656JJK
Line Number:	5
Method Code:	H132
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	331

Year:	2020
EM Manifest ID:	c345e165-d007-4e9b-bc59-357afb01eb8e
Generator EPA ID:	CAL000442540
Shipment Date:	2020-11-09
Manifest Number:	021369656JJK
Line Number:	6
Method Code:	H132
Quantity Tons:	0.00600
Quantity Waste:	12.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	331

Detail Two:

Year:	2019
EM Manifest ID:	257857
Shipment Date:	12/17/2018

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Receipt Date:	1/3/2019
Manifest Number:	020043669JJK
Generator EPA ID:	CAL000353872
Name:	VONS STORE #2041
Address:	11861 VALLEY VIEW ST
Address 2:	Not reported
City:	GARDEN GROVE
Zip:	92845-1236
Telephone:	800-451-8346
Contact:	Not reported
Contact Telephone:	208-395-6150
Transporter 1 EPA ID:	MIK435642742
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MOD095038998
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NVT330010000
TSDF Name:	US ECOLOGY NEVADA, INC
TSDF Address 1:	HWY 95 11 MI S OF BEATTY
TSDF Address 2:	Not reported
TSDF City:	BEATTY
TSDF Zip:	89003
TSDF Telephone:	800-839-3975

Federal:

Year:	2019
EM Manifest ID:	257857
Generator EPA ID:	CAL000353872
Shipment Date:	2018-12-17
Manifest Number:	020043669JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00650
Quantity Waste:	13.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001

Year:	2019
EM Manifest ID:	257857
Generator EPA ID:	CAL000353872
Shipment Date:	2018-12-17
Manifest Number:	020043669JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00650
Quantity Waste:	13.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D018

Year:	2019
EM Manifest ID:	257857
Generator EPA ID:	CAL000353872
Shipment Date:	2018-12-17

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Manifest Number:	020043669JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00650
Quantity Waste:	13.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D035

Year:	2019
EM Manifest ID:	257857
Generator EPA ID:	CAL000353872
Shipment Date:	2018-12-17
Manifest Number:	020043669JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00650
Quantity Waste:	13.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	U002

Year:	2019
EM Manifest ID:	257857
Generator EPA ID:	CAL000353872
Shipment Date:	2018-12-17
Manifest Number:	020043669JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00650
Quantity Waste:	13.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	U154

Year:	2019
EM Manifest ID:	257857
Generator EPA ID:	CAL000353872
Shipment Date:	2018-12-17
Manifest Number:	020043669JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00650
Quantity Waste:	13.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	U159

Year:	2019

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

EM Manifest ID:	257857
Generator EPA ID:	CAL000353872
Shipment Date:	2018-12-17
Manifest Number:	020043669JJK
Line Number:	2
Method Code:	H039
Quantity Tons:	0.00350
Quantity Waste:	7.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D002

Year:	2019
EM Manifest ID:	257857
Generator EPA ID:	CAL000353872
Shipment Date:	2018-12-17
Manifest Number:	020043669JJK
Line Number:	3
Method Code:	H039
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D002

Year:	2019
EM Manifest ID:	257857
Generator EPA ID:	CAL000353872
Shipment Date:	2018-12-17
Manifest Number:	020043669JJK
Line Number:	4
Method Code:	H039
Quantity Tons:	0.00300
Quantity Waste:	6.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D002

Year:	2019
EM Manifest ID:	257857
Generator EPA ID:	CAL000353872
Shipment Date:	2018-12-17
Manifest Number:	020043669JJK
Line Number:	5
Method Code:	H132
Quantity Tons:	0.01000
Quantity Waste:	20.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Federal Code:	D007
Year:	2019
EM Manifest ID:	257857
Generator EPA ID:	CAL000353872
Shipment Date:	2018-12-17
Manifest Number:	020043669JJK
Line Number:	5
Method Code:	H132
Quantity Tons:	0.01000
Quantity Waste:	20.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D010
Year:	2019
EM Manifest ID:	257857
Generator EPA ID:	CAL000353872
Shipment Date:	2018-12-17
Manifest Number:	020043669JJK
Line Number:	5
Method Code:	H132
Quantity Tons:	0.01000
Quantity Waste:	20.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D011
Year:	2019
EM Manifest ID:	257857
Generator EPA ID:	CAL000353872
Shipment Date:	2018-12-17
Manifest Number:	020043669JJK
Line Number:	6
Method Code:	H141
Quantity Tons:	0.00450
Quantity Waste:	9.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D001
Year:	2019
EM Manifest ID:	257857
Generator EPA ID:	CAL000353872
Shipment Date:	2018-12-17
Manifest Number:	020043669JJK
Line Number:	6
Method Code:	H141
Quantity Tons:	0.00450
Quantity Waste:	9.000000
Quantity Unit:	P

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D002

State:
Year: 2019
EM Manifest ID: 257857
Generator EPA ID: CAL000353872
Shipment Date: 2018-12-17
Manifest Number: 020043669JJK
Line Number: 1
Method Code: H141
Quantity Tons: 0.00650
Quantity Waste: 13.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
State Code: 343

Year: 2019
EM Manifest ID: 257857
Generator EPA ID: CAL000353872
Shipment Date: 2018-12-17
Manifest Number: 020043669JJK
Line Number: 2
Method Code: H039
Quantity Tons: 0.00350
Quantity Waste: 7.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 791

Year: 2019
EM Manifest ID: 257857
Generator EPA ID: CAL000353872
Shipment Date: 2018-12-17
Manifest Number: 020043669JJK
Line Number: 3
Method Code: H039
Quantity Tons: 0.00200
Quantity Waste: 4.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 122

Year: 2019
EM Manifest ID: 257857
Generator EPA ID: CAL000353872
Shipment Date: 2018-12-17
Manifest Number: 020043669JJK
Line Number: 4

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Method Code:	H039
Quantity Tons:	0.00300
Quantity Waste:	6.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	141
Year:	2019
EM Manifest ID:	257857
Generator EPA ID:	CAL000353872
Shipment Date:	2018-12-17
Manifest Number:	020043669JJK
Line Number:	5
Method Code:	H132
Quantity Tons:	0.01000
Quantity Waste:	20.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	331
Year:	2019
EM Manifest ID:	257857
Generator EPA ID:	CAL000353872
Shipment Date:	2018-12-17
Manifest Number:	020043669JJK
Line Number:	6
Method Code:	H141
Quantity Tons:	0.00450
Quantity Waste:	9.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	331
Year:	2019
EM Manifest ID:	257857
Generator EPA ID:	CAL000353872
Shipment Date:	2018-12-17
Manifest Number:	020043669JJK
Line Number:	7
Method Code:	H039
Quantity Tons:	0.08350
Quantity Waste:	167.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	331

Detail Two:

Year:	2019

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

EM Manifest ID:	834750
Shipment Date:	12/3/2019
Receipt Date:	12/10/2019
Manifest Number:	020044741JJK
Generator EPA ID:	CAL000442540
Name:	VONS STORE #2041
Address:	11861 VALLEY VIEW ST
Address 2:	Not reported
City:	GARDEN GROVE
Zip:	92845
Telephone:	800-451-8346
Contact:	Not reported
Contact Telephone:	208-395-6150
Transporter 1 EPA ID:	MIK435642742
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MIK435642742
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NVT330010000
TSDF Name:	US ECOLOGY NEVADA, INC
TSDF Address 1:	HWY 95 11 MI S OF BEATTY
TSDF Address 2:	Not reported
TSDF City:	BEATTY
TSDF Zip:	89003
TSDF Telephone:	800-839-3975

Federal:

Year:	2019
EM Manifest ID:	834750
Generator EPA ID:	CAL000442540
Shipment Date:	2019-12-03
Manifest Number:	020044741JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	0.02350
Quantity Waste:	47.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001

Year:	2019
EM Manifest ID:	834750
Generator EPA ID:	CAL000442540
Shipment Date:	2019-12-03
Manifest Number:	020044741JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	0.02350
Quantity Waste:	47.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D018

Year:	2019
EM Manifest ID:	834750

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Generator EPA ID:	CAL000442540
Shipment Date:	2019-12-03
Manifest Number:	020044741JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	0.02350
Quantity Waste:	47.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D035

Year:	2019
EM Manifest ID:	834750
Generator EPA ID:	CAL000442540
Shipment Date:	2019-12-03
Manifest Number:	020044741JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	0.02350
Quantity Waste:	47.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	U002

Year:	2019
EM Manifest ID:	834750
Generator EPA ID:	CAL000442540
Shipment Date:	2019-12-03
Manifest Number:	020044741JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	0.02350
Quantity Waste:	47.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	U117

Year:	2019
EM Manifest ID:	834750
Generator EPA ID:	CAL000442540
Shipment Date:	2019-12-03
Manifest Number:	020044741JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	0.02350
Quantity Waste:	47.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	U154

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Year:	2019
EM Manifest ID:	834750
Generator EPA ID:	CAL000442540
Shipment Date:	2019-12-03
Manifest Number:	020044741JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	0.02350
Quantity Waste:	47.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	U159

Year:	2019
EM Manifest ID:	834750
Generator EPA ID:	CAL000442540
Shipment Date:	2019-12-03
Manifest Number:	020044741JJK
Line Number:	2
Method Code:	H039
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D002

Year:	2019
EM Manifest ID:	834750
Generator EPA ID:	CAL000442540
Shipment Date:	2019-12-03
Manifest Number:	020044741JJK
Line Number:	3
Method Code:	H039
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D002

Year:	2019
EM Manifest ID:	834750
Generator EPA ID:	CAL000442540
Shipment Date:	2019-12-03
Manifest Number:	020044741JJK
Line Number:	4
Method Code:	H039
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Quantity Type:	Pounds
Federal Code:	D002
Year:	2019
EM Manifest ID:	834750
Generator EPA ID:	CAL000442540
Shipment Date:	2019-12-03
Manifest Number:	020044741JJK
Line Number:	5
Method Code:	H132
Quantity Tons:	0.01600
Quantity Waste:	32.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D007
Year:	2019
EM Manifest ID:	834750
Generator EPA ID:	CAL000442540
Shipment Date:	2019-12-03
Manifest Number:	020044741JJK
Line Number:	5
Method Code:	H132
Quantity Tons:	0.01600
Quantity Waste:	32.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D010
Year:	2019
EM Manifest ID:	834750
Generator EPA ID:	CAL000442540
Shipment Date:	2019-12-03
Manifest Number:	020044741JJK
Line Number:	5
Method Code:	H132
Quantity Tons:	0.01600
Quantity Waste:	32.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D011
Year:	2019
EM Manifest ID:	834750
Generator EPA ID:	CAL000442540
Shipment Date:	2019-12-03
Manifest Number:	020044741JJK
Line Number:	6
Method Code:	H141
Quantity Tons:	0.00600
Quantity Waste:	12.000000

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D001

Year:	2019
EM Manifest ID:	834750
Generator EPA ID:	CAL000442540
Shipment Date:	2019-12-03
Manifest Number:	020044741JJK
Line Number:	6
Method Code:	H141
Quantity Tons:	0.00600
Quantity Waste:	12.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D002

State:

Year:	2019
EM Manifest ID:	834750
Generator EPA ID:	CAL000442540
Shipment Date:	2019-12-03
Manifest Number:	020044741JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	0.02350
Quantity Waste:	47.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	343

Year:	2019
EM Manifest ID:	834750
Generator EPA ID:	CAL000442540
Shipment Date:	2019-12-03
Manifest Number:	020044741JJK
Line Number:	2
Method Code:	H039
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	791

Year:	2019
EM Manifest ID:	834750
Generator EPA ID:	CAL000442540
Shipment Date:	2019-12-03
Manifest Number:	020044741JJK

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Line Number:	3
Method Code:	H039
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	122
Year:	2019
EM Manifest ID:	834750
Generator EPA ID:	CAL000442540
Shipment Date:	2019-12-03
Manifest Number:	020044741JJK
Line Number:	4
Method Code:	H039
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	141
Year:	2019
EM Manifest ID:	834750
Generator EPA ID:	CAL000442540
Shipment Date:	2019-12-03
Manifest Number:	020044741JJK
Line Number:	5
Method Code:	H132
Quantity Tons:	0.01600
Quantity Waste:	32.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	331
Year:	2019
EM Manifest ID:	834750
Generator EPA ID:	CAL000442540
Shipment Date:	2019-12-03
Manifest Number:	020044741JJK
Line Number:	6
Method Code:	H141
Quantity Tons:	0.00600
Quantity Waste:	12.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	331
Year:	2019
EM Manifest ID:	834750

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Generator EPA ID:	CAL000442540
Shipment Date:	2019-12-03
Manifest Number:	020044741JJK
Line Number:	7
Method Code:	H039
Quantity Tons:	0.08200
Quantity Waste:	164.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	331

Year:	2019
EM Manifest ID:	848136
Shipment Date:	12/12/2019
Receipt Date:	12/17/2019
Manifest Number:	020044713JJK
Generator EPA ID:	CAL000442540
Name:	VONS STORE #2041
Address:	11861 VALLEY VIEW ST
Address 2:	Not reported
City:	GARDEN GROVE
Zip:	92845
Telephone:	800-451-8346
Contact:	Not reported
Contact Telephone:	208-395-6150
Transporter 1 EPA ID:	MIK435642742
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MIK435642742
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NVT330010000
TSDF Name:	US ECOLOGY NEVADA, INC
TSDF Address 1:	HWY 95 11 MI S OF BEATTY
TSDF Address 2:	Not reported
TSDF City:	BEATTY
TSDF Zip:	89003
TSDF Telephone:	800-839-3975

Federal:

Year:	2019
EM Manifest ID:	848136
Generator EPA ID:	CAL000442540
Shipment Date:	2019-12-12
Manifest Number:	020044713JJK
Line Number:	1
Method Code:	H039
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D002

Year:	2019
EM Manifest ID:	848136

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Generator EPA ID:	CAL000442540
Shipment Date:	2019-12-12
Manifest Number:	020044713JJK
Line Number:	2
Method Code:	H039
Quantity Tons:	0.00600
Quantity Waste:	12.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D002

Year:	2019
EM Manifest ID:	848136
Generator EPA ID:	CAL000442540
Shipment Date:	2019-12-12
Manifest Number:	020044713JJK
Line Number:	3
Method Code:	H132
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D009

Year:	2019
EM Manifest ID:	848136
Generator EPA ID:	CAL000442540
Shipment Date:	2019-12-12
Manifest Number:	020044713JJK
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00500
Quantity Waste:	10.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D001

Year:	2019
EM Manifest ID:	848136
Generator EPA ID:	CAL000442540
Shipment Date:	2019-12-12
Manifest Number:	020044713JJK
Line Number:	5
Method Code:	H132
Quantity Tons:	0.03950
Quantity Waste:	79.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D007

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Year:	2019
EM Manifest ID:	848136
Generator EPA ID:	CAL000442540
Shipment Date:	2019-12-12
Manifest Number:	020044713JJK
Line Number:	5
Method Code:	H132
Quantity Tons:	0.03950
Quantity Waste:	79.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D010

Year:	2019
EM Manifest ID:	848136
Generator EPA ID:	CAL000442540
Shipment Date:	2019-12-12
Manifest Number:	020044713JJK
Line Number:	5
Method Code:	H132
Quantity Tons:	0.03950
Quantity Waste:	79.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D011

Year:	2019
EM Manifest ID:	848136
Generator EPA ID:	CAL000442540
Shipment Date:	2019-12-12
Manifest Number:	020044713JJK
Line Number:	6
Method Code:	H141
Quantity Tons:	0.00300
Quantity Waste:	6.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D001

Year:	2019
EM Manifest ID:	848136
Generator EPA ID:	CAL000442540
Shipment Date:	2019-12-12
Manifest Number:	020044713JJK
Line Number:	6
Method Code:	H141
Quantity Tons:	0.00300
Quantity Waste:	6.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Quantity Type:	Pounds
Federal Code:	D002

State:

Year:	2019
EM Manifest ID:	848136
Generator EPA ID:	CAL000442540
Shipment Date:	2019-12-12
Manifest Number:	020044713JJK
Line Number:	1
Method Code:	H039
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	122

Year:	2019
EM Manifest ID:	848136
Generator EPA ID:	CAL000442540
Shipment Date:	2019-12-12
Manifest Number:	020044713JJK
Line Number:	2
Method Code:	H039
Quantity Tons:	0.00600
Quantity Waste:	12.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	141

Year:	2019
EM Manifest ID:	848136
Generator EPA ID:	CAL000442540
Shipment Date:	2019-12-12
Manifest Number:	020044713JJK
Line Number:	3
Method Code:	H132
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	181

Year:	2019
EM Manifest ID:	848136
Generator EPA ID:	CAL000442540
Shipment Date:	2019-12-12
Manifest Number:	020044713JJK
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00500

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Quantity Waste:	10.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	331
Year:	2019
EM Manifest ID:	848136
Generator EPA ID:	CAL000442540
Shipment Date:	2019-12-12
Manifest Number:	020044713JJK
Line Number:	5
Method Code:	H132
Quantity Tons:	0.03950
Quantity Waste:	79.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	331
Year:	2019
EM Manifest ID:	848136
Generator EPA ID:	CAL000442540
Shipment Date:	2019-12-12
Manifest Number:	020044713JJK
Line Number:	6
Method Code:	H141
Quantity Tons:	0.00300
Quantity Waste:	6.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	331
Year:	2019
EM Manifest ID:	848136
Generator EPA ID:	CAL000442540
Shipment Date:	2019-12-12
Manifest Number:	020044713JJK
Line Number:	7
Method Code:	H039
Quantity Tons:	0.10500
Quantity Waste:	210.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	331
Year:	2019
EM Manifest ID:	848136
Generator EPA ID:	CAL000442540
Shipment Date:	2019-12-12
Manifest Number:	020044713JJK

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Line Number:	8
Method Code:	H132
Quantity Tons:	0.00500
Quantity Waste:	10.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	512

Year:	2019
EM Manifest ID:	848136
Generator EPA ID:	CAL000442540
Shipment Date:	2019-12-12
Manifest Number:	020044713JJK
Line Number:	8
Method Code:	H132
Quantity Tons:	0.00500
Quantity Waste:	10.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	513

Detail Two:

Year:	2018
EM Manifest ID:	138063
Shipment Date:	9/26/2018
Receipt Date:	10/15/2018
Manifest Number:	018841866JJK
Generator EPA ID:	CAL000353872
Name:	VONS STORE #2041
Address:	11861 VALLEY VIEW ST
Address 2:	Not reported
City:	GARDEN GROVE
Zip:	92845-1236
Telephone:	800-451-8346
Contact:	Not reported
Contact Telephone:	208-395-6150
Transporter 1 EPA ID:	MIK435642742
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MIK435642742
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NVT330010000
TSDF Name:	US ECOLOGY NEVADA, INC
TSDF Address 1:	HWY 95 11 MI S OF BEATTY
TSDF Address 2:	Not reported
TSDF City:	BEATTY
TSDF Zip:	89003
TSDF Telephone:	800-839-3975

Federal:

Year:	2018
EM Manifest ID:	138063
Generator EPA ID:	CAL000353872

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Shipment Date:	2018-09-26
Manifest Number:	018841866JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	0.01200
Quantity Waste:	24.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001

Year:	2018
EM Manifest ID:	138063
Generator EPA ID:	CAL000353872
Shipment Date:	2018-09-26
Manifest Number:	018841866JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	0.01200
Quantity Waste:	24.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D018

Year:	2018
EM Manifest ID:	138063
Generator EPA ID:	CAL000353872
Shipment Date:	2018-09-26
Manifest Number:	018841866JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	0.01200
Quantity Waste:	24.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D035

Year:	2018
EM Manifest ID:	138063
Generator EPA ID:	CAL000353872
Shipment Date:	2018-09-26
Manifest Number:	018841866JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	0.01200
Quantity Waste:	24.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	U002

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Year:	2018
EM Manifest ID:	138063
Generator EPA ID:	CAL000353872
Shipment Date:	2018-09-26
Manifest Number:	018841866JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	0.01200
Quantity Waste:	24.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	U154

Year:	2018
EM Manifest ID:	138063
Generator EPA ID:	CAL000353872
Shipment Date:	2018-09-26
Manifest Number:	018841866JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	0.01200
Quantity Waste:	24.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	U159

Year:	2018
EM Manifest ID:	138063
Generator EPA ID:	CAL000353872
Shipment Date:	2018-09-26
Manifest Number:	018841866JJK
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00300
Quantity Waste:	6.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D002

Year:	2018
EM Manifest ID:	138063
Generator EPA ID:	CAL000353872
Shipment Date:	2018-09-26
Manifest Number:	018841866JJK
Line Number:	3
Method Code:	H132
Quantity Tons:	0.00400
Quantity Waste:	8.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Quantity Type:	Pounds
Federal Code:	D002

Year:	2018
EM Manifest ID:	138063
Generator EPA ID:	CAL000353872
Shipment Date:	2018-09-26
Manifest Number:	018841866JJK
Line Number:	4
Method Code:	H039
Quantity Tons:	0.00950
Quantity Waste:	19.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D002

Year:	2018
EM Manifest ID:	138063
Generator EPA ID:	CAL000353872
Shipment Date:	2018-09-26
Manifest Number:	018841866JJK
Line Number:	5
Method Code:	H132
Quantity Tons:	0.02300
Quantity Waste:	46.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D007

Year:	2018
EM Manifest ID:	138063
Generator EPA ID:	CAL000353872
Shipment Date:	2018-09-26
Manifest Number:	018841866JJK
Line Number:	5
Method Code:	H132
Quantity Tons:	0.02300
Quantity Waste:	46.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D010

Year:	2018
EM Manifest ID:	138063
Generator EPA ID:	CAL000353872
Shipment Date:	2018-09-26
Manifest Number:	018841866JJK
Line Number:	5
Method Code:	H132
Quantity Tons:	0.02300
Quantity Waste:	46.000000

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D011

Year:	2018
EM Manifest ID:	138063
Generator EPA ID:	CAL000353872
Shipment Date:	2018-09-26
Manifest Number:	018841866JJK
Line Number:	6
Method Code:	H141
Quantity Tons:	0.00300
Quantity Waste:	6.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D001

Year:	2018
EM Manifest ID:	138063
Generator EPA ID:	CAL000353872
Shipment Date:	2018-09-26
Manifest Number:	018841866JJK
Line Number:	6
Method Code:	H141
Quantity Tons:	0.00300
Quantity Waste:	6.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D002

State:

Year:	2018
EM Manifest ID:	138063
Generator EPA ID:	CAL000353872
Shipment Date:	2018-09-26
Manifest Number:	018841866JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	0.01200
Quantity Waste:	24.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	343

Year:	2018
EM Manifest ID:	138063
Generator EPA ID:	CAL000353872
Shipment Date:	2018-09-26
Manifest Number:	018841866JJK

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Line Number:	2
Method Code:	H141
Quantity Tons:	0.00300
Quantity Waste:	6.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	791
Year:	2018
EM Manifest ID:	138063
Generator EPA ID:	CAL000353872
Shipment Date:	2018-09-26
Manifest Number:	018841866JJK
Line Number:	3
Method Code:	H132
Quantity Tons:	0.00400
Quantity Waste:	8.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	122
Year:	2018
EM Manifest ID:	138063
Generator EPA ID:	CAL000353872
Shipment Date:	2018-09-26
Manifest Number:	018841866JJK
Line Number:	4
Method Code:	H039
Quantity Tons:	0.00950
Quantity Waste:	19.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	141
Year:	2018
EM Manifest ID:	138063
Generator EPA ID:	CAL000353872
Shipment Date:	2018-09-26
Manifest Number:	018841866JJK
Line Number:	5
Method Code:	H132
Quantity Tons:	0.02300
Quantity Waste:	46.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	331
Year:	2018
EM Manifest ID:	138063

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Generator EPA ID:	CAL000353872
Shipment Date:	2018-09-26
Manifest Number:	018841866JJK
Line Number:	6
Method Code:	H141
Quantity Tons:	0.00300
Quantity Waste:	6.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	331

Year:	2018
EM Manifest ID:	138063
Generator EPA ID:	CAL000353872
Shipment Date:	2018-09-26
Manifest Number:	018841866JJK
Line Number:	7
Method Code:	H039
Quantity Tons:	0.03700
Quantity Waste:	74.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	331

Year:	2018
EM Manifest ID:	010800098FLE20170712_D_1
Shipment Date:	7/12/2017
Receipt Date:	7/18/2017
Manifest Number:	010800098FLE
Generator EPA ID:	CAL000353872
Name:	VONS #2041
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	NED986382133
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD008364432
TSDF Name:	RHO CHEM LLC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

Federal:

Year:	2018
EM Manifest ID:	010800098FLE20170712_D_1

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Generator EPA ID:	CAL000353872
Shipment Date:	2017-07-12
Manifest Number:	010800098FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

State:

Year:	2018
EM Manifest ID:	010800098FLE20170712_D_1
Generator EPA ID:	CAL000353872
Shipment Date:	2017-07-12
Manifest Number:	010800098FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	214

Year:	2018
EM Manifest ID:	010800098FLE20170712_D_1
Generator EPA ID:	CAL000353872
Shipment Date:	2017-07-12
Manifest Number:	010800098FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.07100
Quantity Waste:	142.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331

Year:	2018
EM Manifest ID:	018858048JJK20180625_D_1
Shipment Date:	6/25/2018
Receipt Date:	7/10/2018
Manifest Number:	018858048JJK
Generator EPA ID:	CAL000353872
Name:	VONS 2041
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	MIK435642742
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	ALR000007237
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NVT330010000
TSDF Name:	US ECOLOGY INC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

Federal:

Year:	2018
EM Manifest ID:	018858048JJK20180625_D_1
Generator EPA ID:	CAL000353872
Shipment Date:	2018-06-25
Manifest Number:	018858048JJK
Line Number:	1
Method Code:	H132
Quantity Tons:	0.01950
Quantity Waste:	39.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D007

Year:	2018
EM Manifest ID:	018858048JJK20180625_D_1
Generator EPA ID:	CAL000353872
Shipment Date:	2018-06-25
Manifest Number:	018858048JJK
Line Number:	1
Method Code:	H132
Quantity Tons:	0.01950
Quantity Waste:	39.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D010

Year:	2018
EM Manifest ID:	018858048JJK20180625_D_1
Generator EPA ID:	CAL000353872
Shipment Date:	2018-06-25
Manifest Number:	018858048JJK
Line Number:	1
Method Code:	H132
Quantity Tons:	0.01950
Quantity Waste:	39.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Federal Code: D011

Year: 2018
EM Manifest ID: 018858048JJK20180625_D_1
Generator EPA ID: CAL000353872
Shipment Date: 2018-06-25
Manifest Number: 018858048JJK
Line Number: 2
Method Code: H141
Quantity Tons: 0.00350
Quantity Waste: 7.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D001

Year: 2018
EM Manifest ID: 018858048JJK20180625_D_1
Generator EPA ID: CAL000353872
Shipment Date: 2018-06-25
Manifest Number: 018858048JJK
Line Number: 2
Method Code: H141
Quantity Tons: 0.00350
Quantity Waste: 7.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D002

State:
Year: 2018
EM Manifest ID: 018858048JJK20180625_D_1
Generator EPA ID: CAL000353872
Shipment Date: 2018-06-25
Manifest Number: 018858048JJK
Line Number: 1
Method Code: H132
Quantity Tons: 0.01950
Quantity Waste: 39.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 331

Year: 2018
EM Manifest ID: 018858048JJK20180625_D_1
Generator EPA ID: CAL000353872
Shipment Date: 2018-06-25
Manifest Number: 018858048JJK
Line Number: 2
Method Code: H141
Quantity Tons: 0.00350
Quantity Waste: 7.000000

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331

Year:	2018
EM Manifest ID:	018858048JJK20180625_D_1
Generator EPA ID:	CAL000353872
Shipment Date:	2018-06-25
Manifest Number:	018858048JJK
Line Number:	3
Method Code:	H039
Quantity Tons:	0.04650
Quantity Waste:	93.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331

Year:	2018
EM Manifest ID:	010203434FLE20170418_D_1
Shipment Date:	4/18/2017
Receipt Date:	4/24/2017
Manifest Number:	010203434FLE
Generator EPA ID:	CAL000353872
Name:	VONS #2041
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD983649880
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD008364432
TSDF Name:	RHO CHEM LLC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

Federal:

Year:	2018
EM Manifest ID:	010203434FLE20170418_D_1
Generator EPA ID:	CAL000353872
Shipment Date:	2017-04-18
Manifest Number:	010203434FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.01550
Quantity Waste:	31.000000

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

Year:	2018
EM Manifest ID:	010203434FLE20170418_D_1
Generator EPA ID:	CAL000353872
Shipment Date:	2017-04-18
Manifest Number:	010203434FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.01550
Quantity Waste:	31.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D035

Year:	2018
EM Manifest ID:	010203434FLE20170418_D_1
Generator EPA ID:	CAL000353872
Shipment Date:	2017-04-18
Manifest Number:	010203434FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D002

Year:	2018
EM Manifest ID:	010203434FLE20170418_D_1
Generator EPA ID:	CAL000353872
Shipment Date:	2017-04-18
Manifest Number:	010203434FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

Year:	2018
EM Manifest ID:	010203434FLE20170418_D_1
Generator EPA ID:	CAL000353872
Shipment Date:	2017-04-18
Manifest Number:	010203434FLE
Line Number:	4

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

Year:	2018
EM Manifest ID:	010203434FLE20170418_D_1
Generator EPA ID:	CAL000353872
Shipment Date:	2017-04-18
Manifest Number:	010203434FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D009

State:

Year:	2018
EM Manifest ID:	010203434FLE20170418_D_1
Generator EPA ID:	CAL000353872
Shipment Date:	2017-04-18
Manifest Number:	010203434FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.01550
Quantity Waste:	31.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	214

Year:	2018
EM Manifest ID:	010203434FLE20170418_D_1
Generator EPA ID:	CAL000353872
Shipment Date:	2017-04-18
Manifest Number:	010203434FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	122

Year:	2018
EM Manifest ID:	010203434FLE20170418_D_1

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Generator EPA ID:	CAL000353872
Shipment Date:	2017-04-18
Manifest Number:	010203434FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	214

Year:	2018
EM Manifest ID:	010203434FLE20170418_D_1
Generator EPA ID:	CAL000353872
Shipment Date:	2017-04-18
Manifest Number:	010203434FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	135

Year:	2018
EM Manifest ID:	010203434FLE20170418_D_1
Generator EPA ID:	CAL000353872
Shipment Date:	2017-04-18
Manifest Number:	010203434FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	141

Year:	2018
EM Manifest ID:	010203434FLE20170418_D_1
Generator EPA ID:	CAL000353872
Shipment Date:	2017-04-18
Manifest Number:	010203434FLE
Line Number:	6
Method Code:	H141
Quantity Tons:	0.00500
Quantity Waste:	10.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Year:	2018
EM Manifest ID:	010203434FLE20170418_D_1
Generator EPA ID:	CAL000353872
Shipment Date:	2017-04-18
Manifest Number:	010203434FLE
Line Number:	7
Method Code:	H141
Quantity Tons:	0.03100
Quantity Waste:	62.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331

Year:	2018
EM Manifest ID:	018585043JJK20180410_D_1
Shipment Date:	4/10/2018
Receipt Date:	4/20/2018
Manifest Number:	018585043JJK
Generator EPA ID:	CAL000353872
Name:	VONS 2041
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	MIK435642742
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	ALR000007237
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NVT330010000
TSDF Name:	US ECOLOGY INC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

Federal:

Year:	2018
EM Manifest ID:	018585043JJK20180410_D_1
Generator EPA ID:	CAL000353872
Shipment Date:	2018-04-10
Manifest Number:	018585043JJK
Line Number:	1
Method Code:	H039
Quantity Tons:	0.00400
Quantity Waste:	8.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D002

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Year:	2018
EM Manifest ID:	018585043JJK20180410_D_1
Generator EPA ID:	CAL000353872
Shipment Date:	2018-04-10
Manifest Number:	018585043JJK
Line Number:	2
Method Code:	H039
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D002

Year:	2018
EM Manifest ID:	018585043JJK20180410_D_1
Generator EPA ID:	CAL000353872
Shipment Date:	2018-04-10
Manifest Number:	018585043JJK
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	P075

Year:	2018
EM Manifest ID:	018585043JJK20180410_D_1
Generator EPA ID:	CAL000353872
Shipment Date:	2018-04-10
Manifest Number:	018585043JJK
Line Number:	4
Method Code:	H132
Quantity Tons:	0.00850
Quantity Waste:	17.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D007

Year:	2018
EM Manifest ID:	018585043JJK20180410_D_1
Generator EPA ID:	CAL000353872
Shipment Date:	2018-04-10
Manifest Number:	018585043JJK
Line Number:	4
Method Code:	H132
Quantity Tons:	0.00850
Quantity Waste:	17.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Quantity Type:	NULL
Federal Code:	D010

Year:	2018
EM Manifest ID:	018585043JJK20180410_D_1
Generator EPA ID:	CAL000353872
Shipment Date:	2018-04-10
Manifest Number:	018585043JJK
Line Number:	4
Method Code:	H132
Quantity Tons:	0.00850
Quantity Waste:	17.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D011

Year:	2018
EM Manifest ID:	018585043JJK20180410_D_1
Generator EPA ID:	CAL000353872
Shipment Date:	2018-04-10
Manifest Number:	018585043JJK
Line Number:	4
Method Code:	H132
Quantity Tons:	0.00850
Quantity Waste:	17.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	U205

Year:	2018
EM Manifest ID:	018585043JJK20180410_D_1
Generator EPA ID:	CAL000353872
Shipment Date:	2018-04-10
Manifest Number:	018585043JJK
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00700
Quantity Waste:	14.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

Year:	2018
EM Manifest ID:	018585043JJK20180410_D_1
Generator EPA ID:	CAL000353872
Shipment Date:	2018-04-10
Manifest Number:	018585043JJK
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00700
Quantity Waste:	14.000000

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D002

State:

Year:	2018
EM Manifest ID:	018585043JJK20180410_D_1
Generator EPA ID:	CAL000353872
Shipment Date:	2018-04-10
Manifest Number:	018585043JJK
Line Number:	1
Method Code:	H039
Quantity Tons:	0.00400
Quantity Waste:	8.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	122

Year:	2018
EM Manifest ID:	018585043JJK20180410_D_1
Generator EPA ID:	CAL000353872
Shipment Date:	2018-04-10
Manifest Number:	018585043JJK
Line Number:	2
Method Code:	H039
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	141

Year:	2018
EM Manifest ID:	018585043JJK20180410_D_1
Generator EPA ID:	CAL000353872
Shipment Date:	2018-04-10
Manifest Number:	018585043JJK
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	311

Year:	2018
EM Manifest ID:	018585043JJK20180410_D_1
Generator EPA ID:	CAL000353872
Shipment Date:	2018-04-10
Manifest Number:	018585043JJK

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Line Number:	4
Method Code:	H132
Quantity Tons:	0.00850
Quantity Waste:	17.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331

Year:	2018
EM Manifest ID:	018585043JJK20180410_D_1
Generator EPA ID:	CAL000353872
Shipment Date:	2018-04-10
Manifest Number:	018585043JJK
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00700
Quantity Waste:	14.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331

Year:	2018
EM Manifest ID:	018585043JJK20180410_D_1
Generator EPA ID:	CAL000353872
Shipment Date:	2018-04-10
Manifest Number:	018585043JJK
Line Number:	6
Method Code:	H039
Quantity Tons:	0.02150
Quantity Waste:	43.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331

Year:	2018
EM Manifest ID:	010142122FLE20171213_D_1
Shipment Date:	12/13/2017
Receipt Date:	12/18/2017
Manifest Number:	010142122FLE
Generator EPA ID:	CAL000353872
Name:	VONS #2041
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Transporter 2 EPA ID:	CAR000217554
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD008364432
TSDF Name:	RHO CHEM LLC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

Federal:

Year:	2018
EM Manifest ID:	010142122FLE20171213_D_1
Generator EPA ID:	CAL000353872
Shipment Date:	2017-12-13
Manifest Number:	010142122FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00800
Quantity Waste:	16.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

Year:	2018
EM Manifest ID:	010142122FLE20171213_D_1
Generator EPA ID:	CAL000353872
Shipment Date:	2017-12-13
Manifest Number:	010142122FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00800
Quantity Waste:	16.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D035

Year:	2018
EM Manifest ID:	010142122FLE20171213_D_1
Generator EPA ID:	CAL000353872
Shipment Date:	2017-12-13
Manifest Number:	010142122FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00500
Quantity Waste:	10.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

Year:	2018
EM Manifest ID:	010142122FLE20171213_D_1

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Generator EPA ID:	CAL000353872
Shipment Date:	2017-12-13
Manifest Number:	010142122FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

Year:	2018
EM Manifest ID:	010142122FLE20171213_D_1
Generator EPA ID:	CAL000353872
Shipment Date:	2017-12-13
Manifest Number:	010142122FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

Year:	2018
EM Manifest ID:	010142122FLE20171213_D_1
Generator EPA ID:	CAL000353872
Shipment Date:	2017-12-13
Manifest Number:	010142122FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D002

State:

Year:	2018
EM Manifest ID:	010142122FLE20171213_D_1
Generator EPA ID:	CAL000353872
Shipment Date:	2017-12-13
Manifest Number:	010142122FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00800
Quantity Waste:	16.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

State Code:	214
Year:	2018
EM Manifest ID:	010142122FLE20171213_D_1
Generator EPA ID:	CAL000353872
Shipment Date:	2017-12-13
Manifest Number:	010142122FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00500
Quantity Waste:	10.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331
Year:	2018
EM Manifest ID:	010142122FLE20171213_D_1
Generator EPA ID:	CAL000353872
Shipment Date:	2017-12-13
Manifest Number:	010142122FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	214
Year:	2018
EM Manifest ID:	010142122FLE20171213_D_1
Generator EPA ID:	CAL000353872
Shipment Date:	2017-12-13
Manifest Number:	010142122FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	214
Year:	2018
EM Manifest ID:	010142122FLE20171213_D_1
Generator EPA ID:	CAL000353872
Shipment Date:	2017-12-13
Manifest Number:	010142122FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	122

Year:	2018
EM Manifest ID:	010142122FLE20171213_D_1
Generator EPA ID:	CAL000353872
Shipment Date:	2017-12-13
Manifest Number:	010142122FLE
Line Number:	6
Method Code:	H141
Quantity Tons:	0.01700
Quantity Waste:	34.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331

Year:	2018
EM Manifest ID:	010142122FLE20171213_D_1
Generator EPA ID:	CAL000353872
Shipment Date:	2017-12-13
Manifest Number:	010142122FLE
Line Number:	7
Method Code:	H141
Quantity Tons:	0.01850
Quantity Waste:	37.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331

Year:	2018
EM Manifest ID:	010142122FLE20171213_D_1
Generator EPA ID:	CAL000353872
Shipment Date:	2017-12-13
Manifest Number:	010142122FLE
Line Number:	8
Method Code:	H141
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331

Year:	2018
EM Manifest ID:	010676319FLE20171003_D_1
Shipment Date:	10/3/2017
Receipt Date:	10/10/2017
Manifest Number:	010676319FLE
Generator EPA ID:	CAL000353872

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Name:	VONS #2041
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAR000217554
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD008364432
TSDF Name:	RHO CHEM LLC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

Federal:

Year:	2018
EM Manifest ID:	010676319FLE20171003_D_1
Generator EPA ID:	CAL000353872
Shipment Date:	2017-10-03
Manifest Number:	010676319FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00400
Quantity Waste:	8.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

Year:	2018
EM Manifest ID:	010676319FLE20171003_D_1
Generator EPA ID:	CAL000353872
Shipment Date:	2017-10-03
Manifest Number:	010676319FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

Year:	2018
EM Manifest ID:	010676319FLE20171003_D_1
Generator EPA ID:	CAL000353872
Shipment Date:	2017-10-03
Manifest Number:	010676319FLE
Line Number:	2
Method Code:	H141

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D035

Year:	2018
EM Manifest ID:	010676319FLE20171003_D_1
Generator EPA ID:	CAL000353872
Shipment Date:	2017-10-03
Manifest Number:	010676319FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00550
Quantity Waste:	11.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

State:

Year:	2018
EM Manifest ID:	010676319FLE20171003_D_1
Generator EPA ID:	CAL000353872
Shipment Date:	2017-10-03
Manifest Number:	010676319FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00400
Quantity Waste:	8.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	214

Year:	2018
EM Manifest ID:	010676319FLE20171003_D_1
Generator EPA ID:	CAL000353872
Shipment Date:	2017-10-03
Manifest Number:	010676319FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	214

Year:	2018
EM Manifest ID:	010676319FLE20171003_D_1
Generator EPA ID:	CAL000353872

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Shipment Date:	2017-10-03
Manifest Number:	010676319FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00550
Quantity Waste:	11.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331

Year:	2018
EM Manifest ID:	010676319FLE20171003_D_1
Generator EPA ID:	CAL000353872
Shipment Date:	2017-10-03
Manifest Number:	010676319FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.04650
Quantity Waste:	93.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331

Additional Info:

Year:	2017
Gen EPA ID:	CAL000353872

Shipment Date:	20171213
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	010142122FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217554
Trans 2 Name:	CRUZ CONTAINERS LOGISTICS INC
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.002
Waste Quantity:	4
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Shipment Date:	20171213
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	010142122FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217554
Trans 2 Name:	CRUZ CONTAINERS LOGISTICS INC
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.017
Waste Quantity:	34
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20171213
Creation Date:	7/5/2018 18:32:15
Receipt Date:	20171218
Manifest ID:	010142122FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217554
Trans 2 Name:	CRUZ CONTAINERS LOGISTICS INC
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0015
Waste Quantity:	3
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20171213
Creation Date:	7/5/2018 18:32:15
Receipt Date:	20171218
Manifest ID:	010142122FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217554

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Trans 2 Name:	CRUZ CONTAINERS LOGISTICS INC
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171213
Creation Date:	7/5/2018 18:32:15
Receipt Date:	20171218
Manifest ID:	010142122FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217554
Trans 2 Name:	CRUZ CONTAINERS LOGISTICS INC
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171213
Creation Date:	7/5/2018 18:32:15
Receipt Date:	20171218
Manifest ID:	010142122FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217554
Trans 2 Name:	CRUZ CONTAINERS LOGISTICS INC
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D035

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.008
Waste Quantity:	16
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171213
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	010142122FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217554
Trans 2 Name:	CRUZ CONTAINERS LOGISTICS INC
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.002
Waste Quantity:	4
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171213
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	010142122FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217554
Trans 2 Name:	CRUZ CONTAINERS LOGISTICS INC
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0185
Waste Quantity:	37
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171003
Creation Date:	5/30/2018 18:33:22
Receipt Date:	20171010
Manifest ID:	010676319FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217554
Trans 2 Name:	CRUZ CONTAINERS LOGISTICS INC
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D035
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.001
Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171003
Creation Date:	5/30/2018 18:33:22
Receipt Date:	20171010
Manifest ID:	010676319FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217554
Trans 2 Name:	CRUZ CONTAINERS LOGISTICS INC
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0055
Waste Quantity:	11
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2016
Gen EPA ID:	CAL000353872

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Shipment Date:	20151116
Creation Date:	3/2/2016 22:15:14
Receipt Date:	20151125
Manifest ID:	008441600FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.086
Waste Quantity:	172
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20151116
Creation Date:	3/2/2016 22:15:14
Receipt Date:	20151125
Manifest ID:	008441600FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.002
Waste Quantity:	4
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20151116
Creation Date:	3/2/2016 22:15:14
Receipt Date:	20151125
Manifest ID:	008441600FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D035
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.003
Waste Quantity:	6
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151116
Creation Date:	3/2/2016 22:15:14
Receipt Date:	20151125
Manifest ID:	008441600FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150819
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	007409663FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D035

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0155
Waste Quantity:	31
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150819
Creation Date:	10/12/2015 22:15:20
Receipt Date:	20150828
Manifest ID:	007409663FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0115
Waste Quantity:	23
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150819
Creation Date:	10/12/2015 22:15:20
Receipt Date:	20150828
Manifest ID:	007409663FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.009
Waste Quantity:	18
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150819
Creation Date:	10/12/2015 22:15:20
Receipt Date:	20150828
Manifest ID:	007409663FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150819
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	007409663FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0095
Waste Quantity:	19
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150819
Creation Date:	Not reported
Receipt Date:	Not reported

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Manifest ID:	007409663FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.001
Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2015
Gen EPA ID:	CAL000353872
Shipment Date:	20151116
Creation Date:	3/2/2016 22:15:14
Receipt Date:	20151125
Manifest ID:	008441600FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.002
Waste Quantity:	4
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151116
Creation Date:	3/2/2016 22:15:14
Receipt Date:	20151125
Manifest ID:	008441600FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D035
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.003
Waste Quantity:	6
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151116
Creation Date:	3/2/2016 22:15:14
Receipt Date:	20151125
Manifest ID:	008441600FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151116
Creation Date:	3/2/2016 22:15:14
Receipt Date:	20151125
Manifest ID:	008441600FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.086
Waste Quantity:	172
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150819
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	007409663FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0585
Waste Quantity:	117
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150819
Creation Date:	10/12/2015 22:15:20
Receipt Date:	20150828
Manifest ID:	007409663FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150819
Creation Date:	10/12/2015 22:15:20
Receipt Date:	20150828
Manifest ID:	007409663FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0115
Waste Quantity:	23
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150819
Creation Date:	10/12/2015 22:15:20
Receipt Date:	20150828
Manifest ID:	007409663FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.009
Waste Quantity:	18
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150819
Creation Date:	Not reported

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Receipt Date:	Not reported
Manifest ID:	007409663FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D035
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0155
Waste Quantity:	31
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150819
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	007409663FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0095
Waste Quantity:	19
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2014
Gen EPA ID:	CAL000353872

Shipment Date:	20141201
Creation Date:	3/19/2015 22:14:50
Receipt Date:	20141209
Manifest ID:	005827920FLE
Trans EPA ID:	MNS000110924

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0115
Waste Quantity:	23
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141201
Creation Date:	3/19/2015 22:14:50
Receipt Date:	20141209
Manifest ID:	005827920FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0225
Waste Quantity:	45
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141201
Creation Date:	3/19/2015 22:14:50
Receipt Date:	20141209
Manifest ID:	005827920FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1225
Waste Quantity:	245
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140909
Creation Date:	2/6/2015 22:15:12
Receipt Date:	20140912
Manifest ID:	007240004FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0155
Waste Quantity:	31
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140909
Creation Date:	2/6/2015 22:15:12
Receipt Date:	20140912
Manifest ID:	007240004FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0055
Waste Quantity:	11
Quantity Unit:	P

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140909
Creation Date:	2/6/2015 22:15:12
Receipt Date:	20140912
Manifest ID:	007240004FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D035
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140909
Creation Date:	2/6/2015 22:15:12
Receipt Date:	20140912
Manifest ID:	007240004FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.003
Waste Quantity:	6
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140909

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	007240004FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0685
Waste Quantity:	137
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140909
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	007240004FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0105
Waste Quantity:	21
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140617
Creation Date:	11/12/2014 22:15:05
Receipt Date:	20140625
Manifest ID:	005828710FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	D009
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.001
Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2013
Gen EPA ID:	CAL000353872
Shipment Date:	20130919
Creation Date:	1/28/2014 22:15:31
Receipt Date:	20131002
Manifest ID:	005953477FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.017
Waste Quantity:	34
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130919
Creation Date:	1/28/2014 22:15:31
Receipt Date:	20131002
Manifest ID:	005953477FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.022
Waste Quantity:	44
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130919
Creation Date:	1/28/2014 22:15:31
Receipt Date:	20131002
Manifest ID:	005953477FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.004
Waste Quantity:	8
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130919
Creation Date:	1/28/2014 22:15:31
Receipt Date:	20131002
Manifest ID:	005953477FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	131 - Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Quantity Tons:	0.002
Waste Quantity:	4
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130919
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	005953477FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0045
Waste Quantity:	9
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130919
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	005953477FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P075
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Additional Code 5:	Not reported
Shipment Date:	20130919
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	005953477FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	561 - Not reported
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.059
Waste Quantity:	118
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130919
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	005953477FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.017
Waste Quantity:	34
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130919
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	005953477FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130919
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	005953477FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CERS:

Name:	2041 VONS A SAFEWAY COMPANY
Address:	11861 VALLEY VIEW ST
City,State,Zip:	GARDEN GROVE, CA 92845
Site ID:	21488
CERS ID:	10173407
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	21488
Site Name:	2041 Vons A Safeway Company
Violation Date:	05-31-2023
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description:	Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Returned to compliance on 06/03/2023. Annual training documentation for all employees was not available for review during inspection.
Violation Division: Orange County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 21488
Site Name: 2041 Vons A Safeway Company
Violation Date: 05-31-2023
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 06/01/2023. The following elements are inaccurate on the site map: - North orientation - Location of Chapman Ave
Violation Division: Orange County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 04-06-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-31-2023
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site to conduct a routine hazardous waste inspection. Consent to enter and inspect was granted by Mike Rogers. Observed the facility, perimeter, trash enclosure, and hazardous waste storage area. The following hazardous wastes were observed: - Toxic, corrosive, and flammable retail wastes - Universal waste All containers of hazardous waste were stored closed. Manifests and emergency response plan were available for review. No hazardous waste was observed in the dumpster. During inspection, all containers of toxic, corrosive, and flammable retail wastes were labeled with the physical state. A container of universal waste was labeled to identify its content. A copy of this report was emailed to: mike.cliatt@safeway.com and s2041c90@safeway.com
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-21-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site to conduct a routine Hazardous Materials Disclosure & Business

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Emergency Plan (HMBP) inspection. The following hazardous materials were observed on site in quantities that meet disclosure thresholds: - R507 refrigerant gas, approximately 2,637 lbs The facility has submitted their HMBP to California Environmental Reporting System (CERS). CERS ID 10173407 HMBP submittal dated 2/13/18 was accepted and verified during this inspection. No violations were observed. A copy of this inspection report will be sent to Environmental Contact, Mike Cliatt at mike.cliatt@safeway.com.

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-27-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Mark Sutphin received a call from Glen from Vons stating that they did not receive an invoice for Hazardous waste for 2015-2016 . Glens phone number is 623-869-3571 ..

Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-09-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Received a call from Glen Patton inquiring on the bill that was sent 8-31-15. he has not received the bill and it appears that the correct billing address is listed on the bill THE VONS COMPANIES PO BOX 29096 MS 6516 PHOENIX AZ 85035 So the bill should be arriving soon

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-09-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Received a call from Glen Patton inquiring on the bill that was sent 8-31-15. he has not received the bill and it appears that the correct billing address is listed on the bill THE VONS COMPANIES PO BOX 29096 MS 6516 PHOENIX AZ 85035 So the bill should be arriving soon

Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 02-19-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: The following documents were received and ACCEPTED on the CERS Portal: Business Activities Form Business Owner/Operator Form Chemical Inventory for 1 Facility site Map

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-06-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: 4/6/2016 - Vons A Safeway Company : On site to conduct a routine hazardous material and business plan inspection. Consent to enter, inspect and take pictures was given by David Kierman at 3:21 pm. Walked the site with Mr. Kierman and observed the hazardous material storage area throughout the grocery store and the following material was observed in amounts that meet or exceed the minimum volumes required for disclosure: a. R 507 Refrigerant An emergency response and evacuation plan was on site. Emergency response equipment was present on site and serviced. Annual employee training records were available for reviewed. The facility is responsible for identifying all hazardous materials, to include hazardous wastes, which are above disclosure thresholds. If there is a change in the type or amount of chemicals that are maintained on site, please submit revised documents (electronically) within 30 days of the change. Please contact Shruthi Sill at [Truncated]
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-30-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Accepted facility info and emergency plan. Declined Haz Mat
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-19-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site to conduct a routine hazardous waste inspection. Met with supervisor Yvette Aguirre, who gave consent to enter and inspect the facility. Hazardous waste observed on site include: - (9) plastic totes containing waste aerosols, toxics, corrosives, oxidizers, and universal waste. All containers were labeled and properly closed. Hazardous waste manifests for all hazardous waste streams were available for review. Perimeter of the facility and the municipal dumpster was inspected. Did not observe any indication of a hazardous waste release or illegal dumping along the perimeter of the facility. The Hazardous Waste Emergency Response information was posted in the facility.
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-06-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: 4/6/2016 Vons A Safeway Company : On site to conduct a routine hazardous waste inspection. Consent to enter, inspect and take

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

pictures was given by David Kierman at 3:21 pm. The hazardous waste containers found here: a. Flammable waste (soaps and aged chemicals) = 1 tote b. Toxic waste = 3 totes Manifests were available and were reviewed. Walked the perimeter of the site, and there were no hazardous waste spills or discharges observed during this inspection. All containers were properly labelled and closed. Emergency response information posted at the office area for the employees. Please contact Shruthi Sill at ssill@ochca.com with regards to any questions.

Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-31-2023
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On site to conduct a routine hazardous materials inspection. Consent to enter and inspect was granted by Mike Rogers. Observed the facility, perimeter, and hazardous materials storage area. The following materials were observed at disclosable quantities: - R507 refrigerant - Liquefied petroleum gas Hazardous Materials Business Plan (HMBP) submittal in CERS was verified. Please note, AB 2059 was approved on September 13, 2022 and is effective on January 1, 2023. This bill amends the California Health and Safety Code (HSC), Chapter 6.95 Hazardous Materials Release Response Plans and Inventory, sections 25500, 25501, and 25507 and adds sections 25507.5 and 25508.3. Please refer to HSC 25507(b)(5) regarding consumer products sold at a retail establishment (e.g. liquefied petroleum gas). The full text of this bill can be viewed at https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=202120220AB2059. A copy of this report was emailed to: mike.cliatt@safeway.com and

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-09-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Mark Sutphin at site for routine Hazardous waste Generator facility inspection . Facility has active EPA ID Number CAL000442540. Facility has a tote system in the back storage area for storing hazardous waste . facility has posted instructions for proper identification and storage of hazardous waste. Facility has implemented a Hazmat Business Emergency Plan and employees receive emergency training. manifests from EQ industrial reviewed at site. Facility in good order this date.

Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-09-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Mark Sutphin at site for routine Hazmat facility inspection . Facility has submitted a Business emergency plan on CERS 10173407. facility has

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

reportable quantities of liquified petroleum gas used to run the floor washers and 2637 pounds of R507 refrigerant in the motor room. Facility has implemented a Hazmat Business Emergency Plan and employees receive emergency training.

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-08-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Read/review 2015 HMBEP. Accepted.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-21-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: No Hazardous Waste violations were observed during this inspection. A copy of this inspection report will be sent to Environmental Contact, Mike Cliatt at mike.cliatt@safeway.com.
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-30-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed facility's CERS HMBEP Submission. All submittal elements accepted.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-07-2023
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: This is an off-site hazardous materials reinspection regarding the violations observed at the routine inspection on 5/31/2023. The site map was updated in CERS. Violation #1010005 was corrected. Employee training record was provided. Violation #1020002 was corrected. No violations are pending. A copy of this report was emailed to: mike.cliatt@safeway.com and s2041c90@safeway.com
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Coordinates:
Site ID: 21488
Facility Name: 2041 Vons A Safeway Company
Env Int Type Code: HWG
Program ID: 10173407

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.,
Latitude:	33.790000
Longitude:	-118.028610

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	Orange County Env Health
Entity Title:	Not reported
Affiliation Address:	1241 East Dyer RoadSuite 120
Affiliation City:	Santa Ana
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92705-5611
Affiliation Phone:	(714) 433-6406,

Affiliation Type Desc:	Document Preparer
Entity Name:	Mike Cliatt
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Parent Corporation
Entity Name:	VONS A SAFEWAY COMPANY
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Legal Owner
Entity Name:	THE VONS COMPANIES INC
Entity Title:	Not reported
Affiliation Address:	1421 Manhattan Ave
Affiliation City:	Fullerton
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92831
Affiliation Phone:	(714) 300-6132,

Affiliation Type Desc:	Operator
Entity Name:	vons
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(714) 889-9955,

Affiliation Type Desc:	Facility Mailing Address

2041 VONS A SAFEWAY COMPANY (Continued) **S113158945**

Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1421 S. Manhattan Ave
Affiliation City:	Fullerton
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92831
Affiliation Phone:	,

Affiliation Type Desc:	Identification Signer
Entity Name:	Mike Cliatt
Entity Title:	Environmental Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Environmental Contact
Entity Name:	mike cliatt
Entity Title:	Not reported
Affiliation Address:	1421 S. Manhattan Ave
Affiliation City:	Fullerton
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92831
Affiliation Phone:	,

Affiliation Type Desc:	Property Owner
Entity Name:	Albertsons
Entity Title:	Not reported
Affiliation Address:	1421 Manhattan Ave
Affiliation City:	Fullerton
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92831
Affiliation Phone:	(714) 300-6132,

F13 **VONS STORE #2041** **RCRA NonGen / NLR** **1024873887**
ESE **11861 VALLEY VIEW ST** **CAL000442540**
1/8-1/4 **GARDEN GROVE, CA 92845**
0.131 mi.
692 ft. **Site 2 of 5 in cluster F**

Relative:
Higher

Actual:
33 ft.

RCRA Listings:

Date Form Received by Agency:	20190122
Handler Name:	Vons Store #2041
Handler Address:	11861 VALLEY VIEW ST
Handler City,State,Zip:	GARDEN GROVE, CA 92845
EPA ID:	CAL000442540
Contact Name:	SHARON SANGER
Contact Address:	250 E PARKCENTER BLVD
Contact City,State,Zip:	BOISE, ID 83706
Contact Telephone:	208-395-6150
Contact Fax:	623-336-6455
Contact Email:	SHARON.SANGER@ALBERTSONS.COM

VONS STORE #2041 (Continued) **1024873887**

Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	250 E PARKCENTER BLVD
Mailing City,State,Zip:	BOISE, ID 83706
Owner Name:	The Vons Companies
Owner Type:	Other
Operator Name:	Sharon Sanger
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20190222
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

VONS STORE #2041 (Continued) **1024873887**

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: THE VONS COMPANIES	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	250 E PARKCENTER BLVD
Owner/Operator City,State,Zip:	BOISE, ID 83706
Owner/Operator Telephone:	208-395-6150
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: SHARON SANGER	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	250 E PARKCENTER BLVD
Owner/Operator City,State,Zip:	BOISE, ID 83706
Owner/Operator Telephone:	208-395-6150
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20190122
Handler Name: VONS STORE #2041	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	454390
NAICS Description:	OTHER DIRECT SELLING ESTABLISHMENTS

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

F14 ESE 1/8-1/4 0.131 mi. 692 ft. | **VONS STORE #2041**
11861 VALLEY VIEW ST
GARDEN GROVE, CA 92845

Site 3 of 5 in cluster F

RCRA NonGen / NLR | **1024826340**
CAL000353872

Relative: Higher

Actual: 33 ft.

RCRA Listings:

Date Form Received by Agency:	20190723
Handler Name:	Vons Store #2041
Handler Address:	VALLEY VIEW ST
Handler City,State,Zip:	GARDEN GROVE, CA 92845-1236
EPA ID:	CAL000353872
Contact Name:	SHARON SANGER
Contact Address:	E PARKCENTER BLVD
Contact City,State,Zip:	BOISE, ID 83706-0000
Contact Telephone:	208-395-6150
Contact Fax:	623-336-6455
Contact Email:	SHARON.SANGER@SAFEWAY.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	E PARKCENTER BLVD
Mailing City,State,Zip:	BOISE, ID 83706-0000
Owner Name:	Albertsons Companies
Owner Type:	Other
Operator Name:	Sharon Sanger
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No

VONS STORE #2041 (Continued) **1024826340**

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20190731
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: SHARON SANGER	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	250 E PARKCENTER BLVD
Owner/Operator City,State,Zip:	BOISE, ID 83706
Owner/Operator Telephone:	208-395-6150
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: ALBERTSONS COMPANIES	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	250 E PARKCENTER BLVD
Owner/Operator City,State,Zip:	BOISE, ID 83706-0000
Owner/Operator Telephone:	208-395-6200
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20190723
Handler Name: VONS STORE #2041	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

VONS STORE #2041 (Continued) **1024826340**

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

D15 NNE 1/8-1/4 0.140 mi. 741 ft.

STEPHEN ADAMSON
5907 NOUMEA ST
CYPRESS, CA 90630

RCRA NonGen / NLR **1026165537**
CAC003065557

Site 2 of 4 in cluster D

Relative: Higher

Actual: 34 ft.

RCRA Listings:

Date Form Received by Agency:	20200505
Handler Name:	Stephen Adamson
Handler Address:	5907 NOUMEA ST
Handler City,State,Zip:	CYPRESS, CA 90630-5534
EPA ID:	CAC003065557
Contact Name:	STEPHEN ADAMSON
Contact Address:	5907 NOUMEA ST
Contact City,State,Zip:	CYPRESS, CA 90630-5534
Contact Telephone:	562-370-8648
Contact Fax:	Not reported
Contact Email:	KRISTINE.RAMOS@PEAS1.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	5907 NOUMEA ST
Mailing City,State,Zip:	CYPRESS, CA 90630-5534
Owner Name:	Stephen Adamson
Owner Type:	Other
Operator Name:	Stephen Adamson
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No

STEPHEN ADAMSON (Continued) **1026165537**

Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200515
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: STEPHEN ADAMSON	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	5907 NOUMEA ST
Owner/Operator City,State,Zip:	CYPRESS, CA 90630-5534
Owner/Operator Telephone:	562-370-8648
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: STEPHEN ADAMSON	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	5907 NOUMEA ST
Owner/Operator City,State,Zip:	CYPRESS, CA 90630-5534
Owner/Operator Telephone:	562-370-8648
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

STEPHEN ADAMSON (Continued) **1026165537**

Receive Date:	20200505
Handler Name:	STEPHEN ADAMSON
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

E16 **TIEN DINH** **RCRA NonGen / NLR** **1026477778**
NNE **11645 JAVA** **CAC003083632**
1/8-1/4 **CYPRESS, CA 90630**
0.141 mi.
745 ft. **Site 2 of 5 in cluster E**

Relative:
Higher

Actual:
34 ft.

RCRA Listings:

Date Form Received by Agency:	20200914
Handler Name:	Tien Dinh
Handler Address:	11645 JAVA
Handler City,State,Zip:	CYPRESS, CA 90630
EPA ID:	CAC003083632
Contact Name:	TIEN DINH
Contact Address:	11645 JAVA
Contact City,State,Zip:	CYPRESS, CA 90630
Contact Telephone:	562-863-1904
Contact Fax:	Not reported
Contact Email:	KARLA@SUPERIORENV.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	11645 JAVA
Mailing City,State,Zip:	CYPRESS, CA 90630
Owner Name:	Tien Dinh
Owner Type:	Other

TIEN DINH (Continued) **1026477778**

Operator Name:	Tien Dinh
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200920
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: TIEN DINH	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11645 JAVA
Owner/Operator City,State,Zip:	CYPRESS, CA 90630
Owner/Operator Telephone:	562-863-1904
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

TIEN DINH (Continued) **1026477778**

Owner/Operator Indicator: Owner
Owner/Operator Name: TIEN DINH
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 11645 JAVA
Owner/Operator City,State,Zip: CYPRESS, CA 90630
Owner/Operator Telephone: 562-863-1904
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20200914
Handler Name: TIEN DINH
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

D17 **MATTHEW THOMAS** **RCRA NonGen / NLR** **1027071792**
NE **5927 NOUMEA ST** **CAC003143333**
1/8-1/4 **CYPRESS, CA 90630**
0.149 mi.
789 ft. **Site 3 of 4 in cluster D**

Relative:
Higher

Actual:
34 ft.

RCRA Listings:
Date Form Received by Agency: 20211013
Handler Name: Matthew Thomas
Handler Address: 5927 NOUMEA ST
Handler City,State,Zip: CYPRESS, CA 90630
EPA ID: CAC003143333
Contact Name: MATTHEW THOMAS
Contact Address: 5927 NOUMEA ST
Contact City,State,Zip: CYPRESS, CA 90630
Contact Telephone: 310-280-8398
Contact Fax: Not reported
Contact Email: MANIFEST.SIRRIS@GMAIL.COM
Contact Title: Not reported

MATTHEW THOMAS (Continued) **1027071792**

EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	5927 NOUMEA ST
Mailing City,State,Zip:	CYPRESS, CA 90630
Owner Name:	Matthew Thomas
Owner Type:	Other
Operator Name:	Matthew Thomas
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20211013
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

MATTHEW THOMAS (Continued) **1027071792**

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: MATTHEW THOMAS	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	5927 NOUMEA ST
Owner/Operator City,State,Zip:	CYPRESS, CA 90630
Owner/Operator Telephone:	310-280-8398
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: MATTHEW THOMAS	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	5927 NOUMEA ST
Owner/Operator City,State,Zip:	CYPRESS, CA 90630
Owner/Operator Telephone:	310-280-8398
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20211013
Handler Name: MATTHEW THOMAS	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

18 North 1/8-1/4 0.156 mi. 826 ft. | **TOM DECKER**
11631 RABAUL DR
CYPRESS, CA 90630 | **RCRA NonGen / NLR** | **1026473585**
CAC003079256

Relative: Higher

Actual: 34 ft.

RCRA Listings:

Date Form Received by Agency:	20200813
Handler Name:	Tom Decker
Handler Address:	11631 RABAUL DR
Handler City,State,Zip:	CYPRESS, CA 90630
EPA ID:	CAC003079256
Contact Name:	TOM DECKER
Contact Address:	11631 RABAUL DR
Contact City,State,Zip:	CYPRESS, CA 90630
Contact Telephone:	714-814-2860
Contact Fax:	Not reported
Contact Email:	KC@AQHIINC.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	11631 RABAUL DR
Mailing City,State,Zip:	CYPRESS, CA 90630
Owner Name:	Tom Decker
Owner Type:	Other
Operator Name:	Tom Decker
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No

TOM DECKER (Continued) **1026473585**

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200814
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: TOM DECKER	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11631 RABAUL DR
Owner/Operator City,State,Zip:	CYPRESS, CA 90630
Owner/Operator Telephone:	714-814-2860
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: TOM DECKER	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11631 RABAUL DR
Owner/Operator City,State,Zip:	CYPRESS, CA 90630
Owner/Operator Telephone:	714-814-2860
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20200813
Handler Name: TOM DECKER	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

TOM DECKER (Continued) **1026473585**

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

E19 North 1/8-1/4 0.157 mi. 828 ft. **KATHY SCHLIEPER** **RCRA NonGen / NLR** **1027452190**
11623 MANILA DRIVE **CAC003190159**
CYPRESS, CA 90630

Site 3 of 5 in cluster E

Relative: Higher

Actual: 34 ft.

RCRA Listings:

Date Form Received by Agency:	20220816
Handler Name:	Kathy Schlieper
Handler Address:	11623 MANILA DRIVE
Handler City,State,Zip:	CYPRESS, CA 90630
EPA ID:	CAC003190159
Contact Name:	KATHY SCHLIEPER
Contact Address:	11623 MANILA DRIVE
Contact City,State,Zip:	CYPRESS, CA 90630
Contact Telephone:	714-396-1683
Contact Fax:	Not reported
Contact Email:	KARLA@SUPERIORENV.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	11623 MANILA DRIVE
Mailing City,State,Zip:	CYPRESS, CA 90630
Owner Name:	Kathy Schlieper
Owner Type:	Other
Operator Name:	Kathy Schlieper
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No

KATHY SCHLIEPER (Continued) **1027452190**

Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20220816
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: KATHY SCHLIEPER	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11623 MANILA DRIVE
Owner/Operator City,State,Zip:	CYPRESS, CA 90630
Owner/Operator Telephone:	714-396-1683
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: KATHY SCHLIEPER	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11623 MANILA DRIVE
Owner/Operator City,State,Zip:	CYPRESS, CA 90630
Owner/Operator Telephone:	714-396-1683
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

KATHY SCHLIEPER (Continued) **1027452190**

Historic Generators:

Receive Date:	20220816
Handler Name: KATHY SCHLIEPER	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

D20 **LILI YOUNG** **RCRA NonGen / NLR** **1027071918**
NE **5937 NOUMEA ST** **CAC003143467**
1/8-1/4 **CYPRESS, CA 90630**
0.157 mi.
829 ft. **Site 4 of 4 in cluster D**

Relative:
Higher

Actual:
34 ft.

RCRA Listings:

Date Form Received by Agency:	20211013
Handler Name:	Lili Young
Handler Address:	5937 NOUMEA ST
Handler City,State,Zip:	CYPRESS, CA 90630
EPA ID:	CAC003143467
Contact Name:	LILI YOUNG
Contact Address:	5937 NOUMEA ST
Contact City,State,Zip:	CYPRESS, CA 90630
Contact Telephone:	626-272-4674
Contact Fax:	Not reported
Contact Email:	LILIYLILIAP@GMAIL.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	5937 NOUMEA ST
Mailing City,State,Zip:	CYPRESS, CA 90630
Owner Name:	Lili Young

LILI YOUNG (Continued) **1027071918**

Owner Type:	Other
Operator Name:	Lili Young
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20211013
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: LILI YOUNG	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	5937 NOUMEA ST
Owner/Operator City,State,Zip:	CYPRESS, CA 90630
Owner/Operator Telephone:	626-272-4674
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

LILI YOUNG (Continued) **1027071918**

Owner/Operator Indicator: Operator
Owner/Operator Name: LILI YOUNG
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 5937 NOUMEA ST
Owner/Operator City,State,Zip: CYPRESS, CA 90630
Owner/Operator Telephone: 626-272-4674
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20211013
Handler Name: LILI YOUNG
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

E21 **NELSON MENA** **RCRA NonGen / NLR** **1024775306**
NNE **11624 MANILA DR** **CAC002995233**
1/8-1/4 **CYPRESS, CA 90630**
0.157 mi.
830 ft. **Site 4 of 5 in cluster E**

Relative:
Higher

Actual:
34 ft.

RCRA Listings:
Date Form Received by Agency: 20190104
Handler Name: Nelson Mena
Handler Address: 11624 MANILA DR
Handler City,State,Zip: CYPRESS, CA 90630-5528
EPA ID: CAC002995233
Contact Name: NELSON MENA
Contact Address: 11624 MANILA DR
Contact City,State,Zip: CYPRESS, CA 90630-5528
Contact Telephone: 562-308-8937
Contact Fax: Not reported
Contact Email: GENEVADEGUIRE@ALLIANCE-ENVIRO.COM
Contact Title: Not reported

NELSON MENA (Continued) **1024775306**

EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	11624 MANILA DR
Mailing City,State,Zip:	CYPRESS, CA 90630-5528
Owner Name:	Nelson Mena
Owner Type:	Other
Operator Name:	Nelson Mena
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20190222
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

NELSON MENA (Continued) **1024775306**

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: NELSON MENA	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11624 MANILA DR
Owner/Operator City,State,Zip:	CYPRESS, CA 90630-5528
Owner/Operator Telephone:	562-308-8937
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: NELSON MENA	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11624 MANILA DR
Owner/Operator City,State,Zip:	CYPRESS, CA 90630-5528
Owner/Operator Telephone:	562-308-8937
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20190104
Handler Name: NELSON MENA	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

E22 North 1/8-1/4 0.167 mi. 880 ft. | **RICK JONES**
11613 MANILA DR
CYPRESS, CA 90630

Site 5 of 5 in cluster E

RCRA NonGen / NLR | **1026167363**
CAC003067403

Relative: Higher

Actual: 34 ft.

RCRA Listings:

Date Form Received by Agency:	20200519
Handler Name:	Rick Jones
Handler Address:	11613 MANILA DR
Handler City,State,Zip:	CYPRESS, CA 90630-5527
EPA ID:	CAC003067403
Contact Name:	RICK JONES
Contact Address:	11613 MANILA DR
Contact City,State,Zip:	CYPRESS, CA 90630-5527
Contact Telephone:	714-362-7957
Contact Fax:	Not reported
Contact Email:	MANIFEST.SIRRIS@GMAIL.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	11613 MANILA DR
Mailing City,State,Zip:	CYPRESS, CA 90630-5527
Owner Name:	Rick Jones
Owner Type:	Other
Operator Name:	Rick Jones
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No

RICK JONES (Continued) **1026167363**

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200608
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: RICK JONES	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11613 MANILA DR
Owner/Operator City,State,Zip:	CYPRESS, CA 90630-5527
Owner/Operator Telephone:	714-362-7957
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: RICK JONES	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11613 MANILA DR
Owner/Operator City,State,Zip:	CYPRESS, CA 90630-5527
Owner/Operator Telephone:	714-362-7957
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20200519
Handler Name: RICK JONES	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

RICK JONES (Continued) **1026167363**

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

G23 **GARDEN GROVE TEEN CENTER** **RCRA NonGen / NLR** **1024772713**
SW **12001 SAINT MARK ST** **CAC002992628**
1/8-1/4 **GARDEN GROVE, CA 92840**
0.169 mi.
893 ft. **Site 1 of 2 in cluster G**

Relative:
Lower

Actual:
30 ft.

RCRA Listings:

Date Form Received by Agency:	20181211
Handler Name:	Garden Grove Teen Center
Handler Address:	12001 SAINT MARK ST
Handler City,State,Zip:	GARDEN GROVE, CA 92840-5208
EPA ID:	CAC002992628
Contact Name:	JANET PELAYO
Contact Address:	11222 ACACIA PARKWAY
Contact City,State,Zip:	GARDEN GROVE, CA 92840-5208
Contact Telephone:	714-721-1490
Contact Fax:	Not reported
Contact Email:	GENEVADEGUIRE@ALLIANCE-ENVIRO.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	11222 ACACIA PARKWAY
Mailing City,State,Zip:	GARDEN GROVE, CA 92840-5208
Owner Name:	City Of Garden Grove
Owner Type:	Other
Operator Name:	Janet Pelayo
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes

GARDEN GROVE TEEN CENTER (Continued) **1024772713**

Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20181220
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: CITY OF GARDEN GROVE	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11222 ACACIA PARKWAY
Owner/Operator City,State,Zip:	GARDEN GROVE, CA 92840-5208
Owner/Operator Telephone:	714-721-1490
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: JANET PELAYO	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11222 ACACIA PARKWAY
Owner/Operator City,State,Zip:	GARDEN GROVE, CA 92840-5208
Owner/Operator Telephone:	714-721-1490
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

GARDEN GROVE TEEN CENTER (Continued) **1024772713**

Historic Generators:

Receive Date:	20181211
Handler Name:	GARDEN GROVE TEEN CENTER
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

G24 **GARDEN GROVE TEEN CENTER** **RCRA NonGen / NLR** **1024767547**
SW **12001 SAINT MARK ST** **CAC002987424**
1/8-1/4 **GARDEN GROVE, CA 92845**
0.169 mi.
893 ft. **Site 2 of 2 in cluster G**

Relative:
Lower

Actual:
30 ft.

RCRA Listings:

Date Form Received by Agency:	20181031
Handler Name:	Garden Grove Teen Center
Handler Address:	12001 SAINT MARK ST
Handler City,State,Zip:	GARDEN GROVE, CA 92845
EPA ID:	CAC002987424
Contact Name:	PHIL CARTER
Contact Address:	12001 SAINT MARK ST
Contact City,State,Zip:	GARDEN GROVE, CA 92845
Contact Telephone:	714-741-5380
Contact Fax:	Not reported
Contact Email:	GENEVADEGUIRE@ALLIANCE-ENVIRO.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	12001 SAINT MARK ST
Mailing City,State,Zip:	GARDEN GROVE, CA 92845
Owner Name:	Garden Grove Teen Center

GARDEN GROVE TEEN CENTER (Continued) **1024767547**

Owner Type:	Other
Operator Name:	Phil Carter
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20181120
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: PHIL CARTER	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12001 SAINT MARK ST
Owner/Operator City,State,Zip:	GARDEN GROVE, CA 92845
Owner/Operator Telephone:	714-741-5380
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

GARDEN GROVE TEEN CENTER (Continued) **1024767547**

Owner/Operator Indicator: Owner
Owner/Operator Name: GARDEN GROVE TEEN CENTER
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 12001 SAINT MARK ST
Owner/Operator City,State,Zip: GARDEN GROVE, CA 92845
Owner/Operator Telephone: 714-741-5380
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20181031
Handler Name: GARDEN GROVE TEEN CENTER
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

F25 **SPARKLING CLEANERS** **CPS-SLIC** **S104156607**
ESE **11867 VALLEY VIEW ST** **CERS** **N/A**
1/8-1/4 **GARDEN GROVE, CA 92845**
0.172 mi.
908 ft. **Site 4 of 5 in cluster F**

Relative:
Higher

Actual:
33 ft.

SLIC REG 8:
Name: SPARKLING CLEANERS (FORMER)
Address: 11867 VALLEY VIEW STREET
City: GARDEN GROVE
Type: Soil and Groundwater
Facility Status: Closed
Staff: WDM
Substance: PCE
Lead Agency: Regional Board
Location Code: GG-7
Thomas Bros Code: 797-E4

SPARKLING CLEANERS (Continued) **S104156607**

CERS:

Name:	SPARKLING CLEANERS
Address:	11867 VALLEY VIEW ST
City,State,Zip:	GARDEN GROVE, CA 92845
Site ID:	687396
CERS ID:	T10000018398
CERS Description:	Cleanup Program Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	IC SUPERVISOR - ORANGE COUNTY LOP
Entity Title:	Not reported
Affiliation Address:	1241 E. DYER RD., SUITE 120
Affiliation City:	SANTA ANA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Name:	SPARKLING CLEANERS (FORMER)
Address:	11867 VALLEY VIEW STREET
City,State,Zip:	GARDEN GROVE, CA
Site ID:	687397
CERS ID:	SLT8R0663950
CERS Description:	Cleanup Program Site

F26 **SPARKLING CLEANERS** **RCRA-SQG** **1000363668**
ESE **11867 VALLEY VIEW ST** **CPS-SLIC** **CAD981396112**
1/8-1/4 **GARDEN GROVE, CA 92845** **Orange Co. Industrial Site**
0.172 mi. **FINDS**
908 ft. **Site 5 of 5 in cluster F** **ECHO**
DRYCLEANERS
Relative: **EMI**
Higher **HWTS**
Actual: **HAZNET**
33 ft.

RCRA Listings:

Date Form Received by Agency:	19860414
Handler Name:	Sparkling Cleaners
Handler Address:	11867 VALLEY VIEW ST
Handler City,State,Zip:	GARDEN GROVE, CA 92845
EPA ID:	CAD981396112
Contact Name:	ENVIRONMENTAL MANAGER
Contact Address:	11867 VALLEY VIEW ST
Contact City,State,Zip:	GARDEN GROVE, CA 92645
Contact Telephone:	714-893-9696
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Other
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Ca

SPARKLING CLEANERS (Continued) **1000363668**

State District:	4
Mailing Address:	11867 VALLEY VIEW ST
Mailing City,State,Zip:	GARDEN GROVE, CA 92845
Owner Name:	Huh Young
Owner Type:	Private
Operator Name:	Not Required
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: HUH YOUNG	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999

SPARKLING CLEANERS (Continued) **1000363668**

Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: NOT REQUIRED	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19860414
Handler Name: SPARKLING CLEANERS	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Ca
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	81232
NAICS Description:	DRYCLEANING AND LAUNDRY SERVICES (EXCEPT COIN-OPERATED)

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

CPS-SLIC:

Name:	SPARKLING CLEANERS
Address:	11867 VALLEY VIEW ST
City,State,Zip:	GARDEN GROVE, CA 92845
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	04/22/1999
Global Id:	T10000018398
Lead Agency:	ORANGE COUNTY LOP
Lead Agency Case Number:	99IC001
Latitude:	33.7903273
Longitude:	-118.0292709
Case Type:	Cleanup Program Site

SPARKLING CLEANERS (Continued) **1000363668**

Case Worker:	Not reported
Local Agency:	ORANGE COUNTY LOP
RB Case Number:	Not reported
File Location:	All Files are on GeoTracker or in the Local Agency Warehouse
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
EPA Region:	9
Coordinate Source:	Not reported
Cuf Case:	NO
Quantity Released Gallons:	Not reported
Begin Date:	04/22/1999
Leak Reported Date:	Not reported
How Discovered:	Not reported
How Discovered Description:	Not reported
Discharge Source:	Not reported
Discharge Cause:	Not reported
Stop Method:	Not reported
Stop Description:	Not reported
No Further Action Date:	04/22/1999
CA Water Watershed Name:	Not reported
Dwr Groundwater Subbasin Name:	Not reported
Disadvantaged Community:	Not reported
CA Enviroscreen 3 Score:	Not reported
CA Enviroscreen 4 Score:	Not reported
Military DOD Site:	No
Facility Project Subtype:	Not reported
RWQCB Region:	Not reported
Site History:	Please refer to recent Site Documents or Monitoring Reports for site history. Orange County is not responsible for the accuracy of any professional interpretations provided in reports submitted by consultants for the responsible party.

Click here to access the California GeoTracker records for this facility:

Name:	SPARKLING CLEANERS (FORMER)
Address:	11867 VALLEY VIEW STREET
City,State,Zip:	GARDEN GROVE, CA
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	04/10/2000
Global Id:	SLT8R0663950
Lead Agency:	SANTA ANA RWQCB (REGION 8)
Lead Agency Case Number:	Not reported
Latitude:	33.7903650226057
Longitude:	-118.028955459595
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	SLT8R066
File Location:	Regional Board
Potential Media Affected:	Other Groundwater (uses other than drinking water), Soil
Potential Contaminants of Concern:	Tetrachloroethylene (PCE)
EPA Region:	9
Coordinate Source:	Manual Entry on Screens
Cuf Case:	NO
Quantity Released Gallons:	Not reported
Begin Date:	12/29/1999

SPARKLING CLEANERS (Continued) **1000363668**

Leak Reported Date:	01/02/1965
How Discovered:	* GOV
How Discovered Description:	Not reported
Discharge Source:	Not reported
Discharge Cause:	Not reported
Stop Method:	Not reported
Stop Description:	Not reported
No Further Action Date:	04/10/2000
CA Water Watershed Name:	Santa Ana River - Lower Santa Ana River - East Coastal Plain (801.11)
Dwr Groundwater Subbasin Name:	Coastal Plain Of Orange County (8-001)
Disadvantaged Community:	Not reported
CA Enviroscreen 3 Score:	16-20%
CA Enviroscreen 4 Score:	40-45%
Military DOD Site:	No
Facility Project Subtype:	Not reported
RWQCB Region:	SANTA ANA RWQCB (REGION 8)
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Orange Co. Industrial Site:

Name:	SPARKLING CLEANERS
Address:	11867 VALLEY VIEW ST
City,State,Zip:	GARDEN GROVE, CA 92845
Case ID:	99IC001
Record ID:	RO0000683
Current Status:	CLOSED
Closure Type:	Closure certification issued
Released Chemical:	PERCHLOROETHYLENE; ORGANIC COMPOUNDS
Closed Date:	4/22/1999
File Location:	Not reported

FINDS:

Registry ID: 110006469990

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:

The Resource Conservation and Recovery Act Information System (RCRAInfo) is EPA's comprehensive information system in support of the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. It tracks many types of information about generators, transporters, treaters, storers, and disposers of hazardous waste.
The California Environmental Protection Agency (CalEPA) has recently implemented a new data warehouse system (nSite). This data warehouse combines and merges facility and site information from five different systems managed within CalEPA. The five systems are: California Environmental Reporting System (CERS),EnviroStor, GeoTracker, California Integrated Water Quality System (CIWQS), andToxic Release Inventory (TRI).
California's Hazardous Waste Tracking System Data Mart (HWTS-DATAMART) provides information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

SPARKLING CLEANERS (Continued) **1000363668**

ECHO:

Envid:	1000363668
Registry ID:	110006469990
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110006469990
Name:	SPARKLING CLEANERS
Address:	11867 VALLEY VIEW STREET
City,State,Zip:	GARDEN GROVE, CA 92845

DRYCLEANERS:

Name:	SPARKLING CLEANERS
Address:	11867 VALLEY VIEW ST
City,State,Zip:	GARDEN GROVE, CA 928451236
EPA Id:	CAD981396112
NAICS Code:	81232
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
SIC Code:	7211
SIC Description:	Power Laundries, Family and Commercial
Create Date:	04/10/1987
Facility Active:	No
Inactive Date:	06/30/2020
Facility Addr2:	Not reported
Owner Name:	JOON HYUK AHN
Owner Address:	11875A VALLEY VIEW ST
Owner Address 2:	Not reported
Owner Telephone:	7148939696
Contact Name:	JOON HYUK AHN
Contact Address:	11875A VALLEY VIEW ST
Contact Address 2:	Not reported
Contact Telephone:	7148939696
Contact Fax:	0
Mailing Name:	Not reported
Mailing Address 1:	11875A VALLEY VIEW ST
Mailing Address 2:	Not reported
Mailing City:	GARDEN GROVE
Mailing State:	CA
Mailing Zip:	928451236
Owner Fax:	0
Region Code:	4
Latitude:	33.790372
Longitude:	-118.02861

DRYCLEAN SOUTH COAST:

Name:	SPARKLING CLEANERS
Address:	11867 VALLEY VIEW ST
City,State,Zip:	GARDEN GROVE, CA 92845
Facility ID:	80707
Application Number:	235088
Permit Number:	D32532
Status:	Out of Business
Representative Name:	JOON H. AHN
Representative Telephone:	714 8939696
Permit Status:	INACTIVE
BCAT Number:	000234
BCAT Description:	DRY CLEANING EQUIP PERCHLOROETHYLENE
CCAT Number:	04
CCAT Description:	VAPOR RECOVERY UNIT COMPRESS & CONDENSE

SPARKLING CLEANERS (Continued) **1000363668**

UTM East:	404.79998779
UTM North:	3739.1999512
Application Date:	08/07/1990
PO Issue Date:	10/01/1990
NAICS Code:	Not reported
SIC Code:	7216

Name:	SPARKLING CLEANERS
Address:	11867 VALLEY VIEW ST
City,State,Zip:	GARDEN GROVE, CA 92641
Facility ID:	20418
Application Number:	C43364
Permit Number:	Not reported
Status:	Out of Business
Representative Name:	Not reported
Representative Telephone:	Not reported
Permit Status:	Not reported
BCAT Number:	000234
BCAT Description:	DRY CLEANING EQUIP PERCHLOROETHYLENE
CCAT Number:	40
CCAT Description:	SCRUBBER, OTHER VENTING S.S.
UTM East:	0
UTM North:	0
Application Date:	06/22/1982
PO Issue Date:	12/31/9999
NAICS Code:	Not reported
SIC Code:	7216

Name:	SPARKLING CLEANERS
Address:	11867 VALLEY VIEW ST
City,State,Zip:	GARDEN GROVE, CA 92641
Facility ID:	20418
Application Number:	05087A
Permit Number:	S03916
Status:	Out of Business
Representative Name:	Not reported
Representative Telephone:	Not reported
Permit Status:	INACTIVE
BCAT Number:	000234
BCAT Description:	DRY CLEANING EQUIP PERCHLOROETHYLENE
CCAT Number:	Not reported
CCAT Description:	Not reported
UTM East:	0
UTM North:	0
Application Date:	12/31/9999
PO Issue Date:	01/25/1980
NAICS Code:	Not reported
SIC Code:	7216

Name:	SPARKLING CLEANERS
Address:	11867 VALLEY VIEW ST
City,State,Zip:	GARDEN GROVE, CA 92645
Facility ID:	37740
Application Number:	107462
Permit Number:	M37581
Status:	Sold
Representative Name:	SANG SEO

SPARKLING CLEANERS (Continued) **1000363668**

Representative Telephone:	714 8939696
Permit Status:	INACTIVE
BCAT Number:	000234
BCAT Description:	DRY CLEANING EQUIP PERCHLOROETHYLENE
CCAT Number:	02
CCAT Description:	ADSORBER (DRY CLEANING) REGENERATIVE
UTM East:	0
UTM North:	0
Application Date:	12/28/1982
PO Issue Date:	04/27/1984
NAICS Code:	Not reported
SIC Code:	7216

Name:	SPARKLING CLEANERS
Address:	11867 VALLEY VIEW ST
City,State,Zip:	GARDEN GROVE, CA 92645
Facility ID:	37740
Application Number:	212315
Permit Number:	D11795
Status:	Sold
Representative Name:	SANG SEO
Representative Telephone:	714 8939696
Permit Status:	INACTIVE
BCAT Number:	000234
BCAT Description:	DRY CLEANING EQUIP PERCHLOROETHYLENE
CCAT Number:	04
CCAT Description:	VAPOR RECOVERY UNIT COMPRESS & CONDENSE
UTM East:	0
UTM North:	0
Application Date:	09/25/1989
PO Issue Date:	11/14/1989
NAICS Code:	Not reported
SIC Code:	7216

EMI:

Name:	SPARKLING CLEANERS
Address:	11867 VALLEY VIEW ST
City,State,Zip:	GARDEN GROVE, CA 926450000
Year:	1987
County Code:	30
Air Basin:	SC
Facility ID:	37740
Air District Name:	SC
SIC Code:	7216
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	SPARKLING CLEANERS, JOON HYUK
Address:	11867 VALLEY VIEW ST

SPARKLING CLEANERS (Continued) **1000363668**

City,State,Zip:	GARDEN GROVE, CA 926450000
Year:	1990
County Code:	30
Air Basin:	SC
Facility ID:	80707
Air District Name:	SC
SIC Code:	7216
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

HWTS:

Name:	SPARKLING CLEANERS
Address:	11867 VALLEY VIEW ST
Address 2:	Not reported
City,State,Zip:	GARDEN GROVE, CA 92645
EPA ID:	CAX000242453
Inactive Date:	04/30/1986
Create Date:	07/03/1985
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	SUSAN HUH
Mailing Address 2:	Not reported
Mailing City,State,Zip:	GARDEN GROVE, CA 926450000
Owner Name:	Not reported
Owner Address:	Not reported
Owner Address 2:	Not reported
Owner City,State,Zip:	Not reported
Owner Phone:	Not reported
Owner Fax:	Not reported
Contact Name:	INACTIVE PER SURVEY 1/95 HN
Contact Address:	Not reported
Contact Address 2:	Not reported
City,State,Zip:	Not reported
Contact Phone:	Not reported
Contact Fax:	Not reported
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	33.033393
Longitude:	-117.041695

Name:	SPARKLING CLEANERS
Address:	11867 VALLEY VIEW ST
Address 2:	Not reported
City,State,Zip:	GARDEN GROVE, CA 92845
EPA ID:	CAD981396112
Inactive Date:	06/30/2020
Create Date:	04/10/1987
Last Act Date:	Not reported

SPARKLING CLEANERS (Continued) **1000363668**

Mailing Name:	Not reported
Mailing Address:	11875A VALLEY VIEW ST
Mailing Address 2:	Not reported
Mailing City,State,Zip:	GARDEN GROVE, CA 928451236
Owner Name:	JOON HYUK AHN
Owner Address:	11875A VALLEY VIEW ST
Owner Address 2:	Not reported
Owner City,State,Zip:	GARDEN GROVE, CA 928451236
Owner Phone:	Not reported
Owner Fax:	Not reported
Contact Name:	JOON HYUK AHN
Contact Address:	11875A VALLEY VIEW ST
Contact Address 2:	Not reported
City,State,Zip:	GARDEN GROVE, CA 92845
Contact Phone:	Not reported
Contact Fax:	Not reported
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	FEDERAL
Latitude:	33.790372
Longitude:	-118.02861

NAICS:

EPA ID:	CAD981396112
Create Date:	2002-03-14 16:36:26.000
NAICS Code:	81232
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
Issued EPA ID Date:	1987-04-10 00:00:00
Inactive Date:	2020-06-30 00:00:00
Facility Name:	SPARKLING CLEANERS
Facility Address:	11867 VALLEY VIEW ST
Facility Address 2:	Not reported
Facility City:	GARDEN GROVE
Facility County:	Not reported
Facility State:	CA
Facility Zip:	928451236

HAZNET:

Name:	SPARKLING CLEANERS
Address:	11867 VALLEY VIEW ST
Address 2:	Not reported
City,State,Zip:	GARDEN GROVE, CA 928451236
Contact:	JOON HYUK AHN
Telephone:	7148939696
Mailing Name:	Not reported
Mailing Address:	11875A VALLEY VIEW ST
Year:	2006
Gepaid:	CAD981396112
TSD EPA ID:	NVR000076158
CA Waste Code:	211 - Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method:	H020 - Solvents Recovery
Tons:	0.175
Year:	2006

SPARKLING CLEANERS (Continued) **1000363668**

Gepaid: CAD981396112
TSD EPA ID: NVR000076158
CA Waste Code: -
Disposal Method: H020 - Solvents Recovery
Tons: Not reported

Year: 2006
Gepaid: CAD981396112
TSD EPA ID: NVR000076158
CA Waste Code: -
Disposal Method: R01 - Recycler
Tons: Not reported

Year: 2006
Gepaid: CAD981396112
TSD EPA ID: NVR000076158
CA Waste Code: 211 - Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method: R01 - Recycler
Tons: 0.22935

Year: 2005
Gepaid: CAD981396112
TSD EPA ID: NVR000076158
CA Waste Code: 211 - Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method: R01 - Recycler
Tons: 0.2

Year: 2005
Gepaid: CAD981396112
TSD EPA ID: NVR000076158
CA Waste Code: 213 - Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method: -
Tons: Not reported

Year: 2005
Gepaid: CAD981396112
TSD EPA ID: NVR000076158
CA Waste Code: 134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method: R01 - Recycler
Tons: Not reported

Year: 2005
Gepaid: CAD981396112
TSD EPA ID: NVR000076158
CA Waste Code: -
Disposal Method: -
Tons: Not reported

Year: 2005
Gepaid: CAD981396112
TSD EPA ID: NVR000076158
CA Waste Code: 211 - Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method: *** - Invalid Code

SPARKLING CLEANERS (Continued) **1000363668**

Tons:	0.35435
Year:	2005
Gepaid:	CAD981396112
TSD EPA ID:	NVR000076158
CA Waste Code:	-
Disposal Method:	R01 - Recycler
Tons:	Not reported

Click this hyperlink while viewing on your computer to access
2 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year:	2006
Gen EPA ID:	CAD981396112
Shipment Date:	20061220
Creation Date:	9/20/2007 18:30:30
Receipt Date:	20061221
Manifest ID:	000232773GBF
Trans EPA ID:	CAR000166827
Trans Name:	AMERICAN INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAR000161836
Trans 2 Name:	TECHNICHEM INC
TSDF EPA ID:	NVR000076158
Trans Name:	RESOLVENT INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20061220
Creation Date:	9/20/2007 18:30:30
Receipt Date:	20061221
Manifest ID:	000232773GBF
Trans EPA ID:	CAR000166827
Trans Name:	AMERICAN INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAR000161836
Trans 2 Name:	TECHNICHEM INC
TSDF EPA ID:	NVR000076158
Trans Name:	RESOLVENT INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	Not reported

SPARKLING CLEANERS (Continued) **1000363668**

Waste Quantity:	Not reported
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20061220
Creation Date:	9/20/2007 18:30:30
Receipt Date:	20061221
Manifest ID:	000232773GBF
Trans EPA ID:	CAR000166827
Trans Name:	AMERICAN INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAR000161836
Trans 2 Name:	TECHNICHEM INC
TSDF EPA ID:	NVR000076158
Trans Name:	RESOLVENT INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.175
Waste Quantity:	350
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20061220
Creation Date:	9/20/2007 18:30:30
Receipt Date:	20061221
Manifest ID:	000232773GBF
Trans EPA ID:	CAR000166827
Trans Name:	AMERICAN INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAR000161836
Trans 2 Name:	TECHNICHEM INC
TSDF EPA ID:	NVR000076158
Trans Name:	RESOLVENT INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

SPARKLING CLEANERS (Continued) **1000363668**

Shipment Date:	20060808
Creation Date:	9/27/2006 18:35:31
Receipt Date:	20060817
Manifest ID:	25296587
Trans EPA ID:	CAR000166827
Trans Name:	AMERICAN INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAR000161836
Trans 2 Name:	TECHNICHEM INC
TSDF EPA ID:	NVR000076158
Trans Name:	RESOLVENT INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20060808
Creation Date:	9/27/2006 18:35:31
Receipt Date:	20060817
Manifest ID:	25296587
Trans EPA ID:	CAR000166827
Trans Name:	AMERICAN INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAR000161836
Trans 2 Name:	TECHNICHEM INC
TSDF EPA ID:	NVR000076158
Trans Name:	RESOLVENT INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	R01 - Recycler
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20060808
Creation Date:	9/27/2006 18:35:31
Receipt Date:	20060817
Manifest ID:	25296587
Trans EPA ID:	CAR000166827
Trans Name:	AMERICAN INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAR000161836
Trans 2 Name:	TECHNICHEM INC

SPARKLING CLEANERS (Continued) **1000363668**

TSDF EPA ID:	NVR000076158
Trans Name:	RESOLVENT INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20060808
Creation Date:	9/27/2006 18:35:31
Receipt Date:	20060817
Manifest ID:	25296587
Trans EPA ID:	CAR000166827
Trans Name:	AMERICAN INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAR000161836
Trans 2 Name:	TECHNICHEM INC
TSDF EPA ID:	NVR000076158
Trans Name:	RESOLVENT INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2005
Gen EPA ID:	CAD981396112

Shipment Date:	20050708
Creation Date:	10/27/2005 10:10:50
Receipt Date:	20050718
Manifest ID:	24550000
Trans EPA ID:	CAR000036921
Trans Name:	AMERICAN INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAD981375983
Trans 2 Name:	TECHNICHEM INC
TSDF EPA ID:	NVR000076158
Trans Name:	RESOLVENT INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported

SPARKLING CLEANERS (Continued) **1000363668**

RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050708
Creation Date:	10/27/2005 10:10:50
Receipt Date:	20050718
Manifest ID:	24550000
Trans EPA ID:	CAR000036921
Trans Name:	AMERICAN INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAD981375983
Trans 2 Name:	TECHNICHEM INC
TSDF EPA ID:	NVR000076158
Trans Name:	RESOLVENT INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	R01 - Recycler
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050708
Creation Date:	10/27/2005 10:10:50
Receipt Date:	20050718
Manifest ID:	24550000
Trans EPA ID:	CAR000036921
Trans Name:	AMERICAN INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAD981375983
Trans 2 Name:	TECHNICHEM INC
TSDF EPA ID:	NVR000076158
Trans Name:	RESOLVENT INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

SPARKLING CLEANERS (Continued) **1000363668**

Additional Code 5:	Not reported
Shipment Date:	20050708
Creation Date:	10/27/2005 10:10:50
Receipt Date:	20050718
Manifest ID:	24550000
Trans EPA ID:	CAR000036921
Trans Name:	AMERICAN INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAD981375983
Trans 2 Name:	TECHNICHEM INC
TSDF EPA ID:	NVR000076158
Trans Name:	RESOLVENT INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	R01 - Recycler
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050304
Creation Date:	8/24/2005 7:27:35
Receipt Date:	20050307
Manifest ID:	24419228
Trans EPA ID:	CAR000036921
Trans Name:	CONSOLIDATED WESTERN
Trans 2 EPA ID:	CAD981375983
Trans 2 Name:	TECHNICHEM INC
TSDF EPA ID:	NVR000076158
Trans Name:	RESOLVENT INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	*** - Invalid Code
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050304
Creation Date:	8/24/2005 7:27:35
Receipt Date:	20050307
Manifest ID:	24419228
Trans EPA ID:	CAR000036921

SPARKLING CLEANERS (Continued) **1000363668**

Trans Name:	CONSOLIDATED WESTERN
Trans 2 EPA ID:	CAD981375983
Trans 2 Name:	TECHNICHEM INC
TSDF EPA ID:	NVR000076158
Trans Name:	RESOLVENT INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	*** - Invalid Code
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050304
Creation Date:	8/24/2005 7:27:35
Receipt Date:	20050307
Manifest ID:	24419228
Trans EPA ID:	CAR000036921
Trans Name:	CONSOLIDATED WESTERN
Trans 2 EPA ID:	CAD981375983
Trans 2 Name:	TECHNICHEM INC
TSDF EPA ID:	NVR000076158
Trans Name:	RESOLVENT INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050304
Creation Date:	8/24/2005 7:27:35
Receipt Date:	20050307
Manifest ID:	24419228
Trans EPA ID:	CAR000036921
Trans Name:	CONSOLIDATED WESTERN
Trans 2 EPA ID:	CAD981375983
Trans 2 Name:	TECHNICHEM INC
TSDF EPA ID:	NVR000076158
Trans Name:	RESOLVENT INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.

SPARKLING CLEANERS (Continued) **1000363668**

RCRA Code:	NA
Meth Code:	- Not reported
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1996
Gen EPA ID:	CAD981396112
Shipment Date:	19960329
Creation Date:	10/16/1996 0:00:00
Receipt Date:	19960401
Manifest ID:	96027240
Trans EPA ID:	CAD981414386
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981397417
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	R01 - Recycler
Quantity Tons:	0.0917
Waste Quantity:	22
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19960329
Creation Date:	10/16/1996 0:00:00
Receipt Date:	19960401
Manifest ID:	96027240
Trans EPA ID:	CAD981414386
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981397417
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	R01 - Recycler
Quantity Tons:	0.2107

SPARKLING CLEANERS (Continued) **1000363668**

Waste Quantity:	0.25
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1995
Gen EPA ID:	CAD981396112
Shipment Date:	19951228
Creation Date:	9/18/1996 0:00:00
Receipt Date:	19951229
Manifest ID:	95897535
Trans EPA ID:	CAD981414386
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981397417
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	R01 - Recycler
Quantity Tons:	0.2107
Waste Quantity:	0.25
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19951228
Creation Date:	9/18/1996 0:00:00
Receipt Date:	19951229
Manifest ID:	95897535
Trans EPA ID:	CAD981414386
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981397417
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	R01 - Recycler
Quantity Tons:	0.1376
Waste Quantity:	33
Quantity Unit:	G
Additional Code 1:	Not reported

SPARKLING CLEANERS (Continued) **1000363668**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950829
Creation Date:	7/26/1996 0:00:00
Receipt Date:	19950830
Manifest ID:	95473641
Trans EPA ID:	CAD981414386
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981397417
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	R01 - Recycler
Quantity Tons:	0.2107
Waste Quantity:	0.25
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950829
Creation Date:	7/26/1996 0:00:00
Receipt Date:	19950830
Manifest ID:	95473641
Trans EPA ID:	CAD981414386
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981397417
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	R01 - Recycler
Quantity Tons:	0.1751
Waste Quantity:	42
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

H27 East 1/8-1/4 0.184 mi. 970 ft. | **EASTGATE MEDICAL CENTER**
11848 VALLEY VIEW NO A
GARDEN GROVE, CA 92845

RCRA-SQG FINDS | **1000818507 CAD983643826**

Site 1 of 5 in cluster H

Relative: Higher

Actual: 34 ft.

RCRA Listings:

Date Form Received by Agency:	19920717
Handler Name:	Eastgate Medical Center
Handler Address:	11848 VALLEY VIEW NO A
Handler City,State,Zip:	GARDEN GROVE, CA 92845
EPA ID:	CAD983643826
Contact Name:	RICHARD WINKLE
Contact Address:	11848 VALLEY VIEW NO A
Contact City,State,Zip:	GARDEN GROVE, CA 92645
Contact Telephone:	714-897-1071
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	11848 VALLEY VIEW NO A
Mailing City,State,Zip:	GARDEN GROVE, CA 92845
Owner Name:	Richard J Winkle Md
Owner Type:	Private
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No

EASTGATE MEDICAL CENTER (Continued) **1000818507**

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: RICHARD J WINKLE MD	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11848 VALLEY VIEW NO A
Owner/Operator City,State,Zip:	GARDEN GROVE, CA 92645
Owner/Operator Telephone:	714-897-1071
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19920717
Handler Name: EASTGATE MEDICAL CENTER	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

EASTGATE MEDICAL CENTER (Continued) **1000818507**

FINDS:
Registry ID: 110006483554

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
The Resource Conservation and Recovery Act Information System (RCRAInfo) is EPA's comprehensive information system in support of the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. It tracks many types of information about generators, transporters, treaters, storers, and disposers of hazardous waste.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

I28 **ANDRE JONES** **RCRA NonGen / NLR** **1026472574**
SSE **12057 STONEGATE LANE** **CAC003078218**
1/8-1/4 **GARDEN GROVE, CA 92845**
0.192 mi.
1015 ft. **Site 1 of 3 in cluster I**

Relative:
Lower

Actual:
31 ft.

RCRA Listings:

Date Form Received by Agency:	20200806
Handler Name:	Andre Jones
Handler Address:	12057 STONEGATE LANE
Handler City,State,Zip:	GARDEN GROVE, CA 92845
EPA ID:	CAC003078218
Contact Name:	ANDRE JONES
Contact Address:	12057 STONEGATE LANE
Contact City,State,Zip:	GARDEN GROVE, CA 92845
Contact Telephone:	714-405-2088
Contact Fax:	Not reported
Contact Email:	KARLA@SUPERIORENV.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	12057 STONEGATE LANE
Mailing City,State,Zip:	GARDEN GROVE, CA 92845
Owner Name:	Andre Jones
Owner Type:	Other
Operator Name:	Andre Jones
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No

ANDRE JONES (Continued) **1026472574**

Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200814
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: ANDRE JONES	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12057 STONEGATE LANE
Owner/Operator City,State,Zip:	GARDEN GROVE, CA 92845
Owner/Operator Telephone:	714-405-2088
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: ANDRE JONES	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12057 STONEGATE LANE
Owner/Operator City,State,Zip:	GARDEN GROVE, CA 92845
Owner/Operator Telephone:	714-405-2088
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

ANDRE JONES (Continued) **1026472574**

Historic Generators:

Receive Date:	20200806
Handler Name: ANDRE JONES	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

I29 **RUSSELL & LORY FULKERSON** **RCRA NonGen / NLR** **1027086638**
SSE **12069 STONEGATE LANE** **CAC003158974**
1/8-1/4 **GARDEN GROVE, CA 92845**
0.195 mi.
1027 ft. **Site 2 of 3 in cluster I**

Relative:
Lower

Actual:
31 ft.

RCRA Listings:

Date Form Received by Agency:	20220127
Handler Name:	Russell & Lory Fulkerson
Handler Address:	12069 STONEGATE LANE
Handler City,State,Zip:	GARDEN GROVE, CA 92845
EPA ID:	CAC003158974
Contact Name:	RUSSELL & LORY FULKERSON
Contact Address:	12069 STONEGATE LANE
Contact City,State,Zip:	GARDEN GROVE, CA 92845
Contact Telephone:	714-421-1630
Contact Fax:	Not reported
Contact Email:	RUSSFULKERSON@HOTMAIL.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	12069 STONEGATE LANE
Mailing City,State,Zip:	GARDEN GROVE, CA 92845
Owner Name:	Russell & Lory Fulkerson

RUSSELL & LORY FULKERSON (Continued) **1027086638**

Owner Type:	Other
Operator Name:	Russell & Lory Fulkerson
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20220128
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: RUSSELL & LORY FULKERSON	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12069 STONEGATE LANE
Owner/Operator City,State,Zip:	GARDEN GROVE, CA 92845
Owner/Operator Telephone:	714-421-1630
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

RUSSELL & LORY FULKERSON (Continued) **1027086638**

Owner/Operator Indicator: Owner
Owner/Operator Name: RUSSELL & LORY FULKERSON
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 12069 STONEGATE LANE
Owner/Operator City,State,Zip: GARDEN GROVE, CA 92845
Owner/Operator Telephone: 714-421-1630
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20220127
Handler Name: RUSSELL & LORY FULKERSON
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

J30 **CUI YE** **RCRA NonGen / NLR** **1027086768**
NNE **11584 MANILA DR** **CAC003159114**
1/8-1/4 **CYPRESS, CA 90630**
0.195 mi.
1029 ft. **Site 1 of 6 in cluster J**

Relative:
Higher

Actual:
34 ft.

RCRA Listings:
Date Form Received by Agency: 20220128
Handler Name: Cui Ye
Handler Address: 11584 MANILA DR
Handler City,State,Zip: CYPRESS, CA 90630
EPA ID: CAC003159114
Contact Name: CUI YE
Contact Address: 11584 MANILA DR
Contact City,State,Zip: CYPRESS, CA 90630
Contact Telephone: 619-850-9190
Contact Fax: Not reported
Contact Email: OFFICE@SOCALABATEMENT.COM
Contact Title: Not reported

CUI YE (Continued) **1027086768**

EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	11584 MANILA DR
Mailing City,State,Zip:	CYPRESS, CA 90630
Owner Name:	Cui Ye
Owner Type:	Other
Operator Name:	Cui Ye
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20220201
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

CUI YE (Continued) **1027086768**

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: CUI YE	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11584 MANILA DR
Owner/Operator City,State,Zip:	CYPRESS, CA 90630
Owner/Operator Telephone:	619-850-9190
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: CUI YE	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11584 MANILA DR
Owner/Operator City,State,Zip:	CYPRESS, CA 90630
Owner/Operator Telephone:	619-850-9190
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20220128
Handler Name: CUI YE	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

H31 ESE 1/8-1/4 0.196 mi. 1035 ft. — **EASTGATE CENTER**, **11908 VALLEY VIEW STREET**, **GARDEN GROVE, CA** — **CPS-SLIC** — **S108985886** / **N/A**

Site 2 of 5 in cluster H

Relative: Higher
Actual: 33 ft.

SLIC REG 8:

Name:	EASTGATE CENTER
Address:	11908 VALLEY VIEW STREET
City:	GARDEN GROVE
Type:	Soil and Groundwater
Facility Status:	Closed
Staff:	WDM
Substance:	PCE,TCE
Lead Agency:	Regional Board
Location Code:	GG-8
Thomas Bros Code:	Not reported

H32 ESE 1/8-1/4 0.197 mi. 1041 ft. — **EAST GATE CLEANERS**, **11920 VALLEY VIEW ST**, **GARDEN GROVE, CA 92645** — **DRYCLEANERS** — **S121697169** / **N/A**

Site 3 of 5 in cluster H

Relative: Higher
Actual: 33 ft.

DRYCLEAN SOUTH COAST:

Name:	EAST GATE CLEANERS
Address:	11920 VALLEY VIEW ST
City,State,Zip:	GARDEN GROVE, CA 92645
Facility ID:	3179
Application Number:	09619A
Permit Number:	S07073
Status:	Sold
Representative Name:	Not reported
Representative Telephone:	Not reported
Permit Status:	INACTIVE
BCAT Number:	000234
BCAT Description:	DRY CLEANING EQUIP PERCHLOROETHYLENE
CCAT Number:	Not reported
CCAT Description:	Not reported
UTM East:	0
UTM North:	0
Application Date:	12/31/9999
PO Issue Date:	02/01/1983
NAICS Code:	Not reported
SIC Code:	7216

H33 ESE 1/8-1/4 0.197 mi. 1041 ft. — **EAST GATE CLEANERS**, **11920 VALLEY VIEW ST**, **GARDEN GROVE, CA 92845** — **DRYCLEANERS** — **S121700136** / **N/A**

Site 4 of 5 in cluster H

Relative: Higher
Actual: 33 ft.

DRYCLEAN SOUTH COAST:

Name:	EAST GATE CLEANERS
Address:	11920 VALLEY VIEW ST
City,State,Zip:	GARDEN GROVE, CA 92845
Facility ID:	88593
Application Number:	258273

EAST GATE CLEANERS (Continued) **S121700136**

Permit Number:	D52483
Status:	Out of Business
Representative Name:	HYUK CHOON CHOO
Representative Telephone:	714 8933378
Permit Status:	INACT_NR
BCAT Number:	000234
BCAT Description:	DRY CLEANING EQUIP PERCHLOROETHYLENE
CCAT Number:	Not reported
CCAT Description:	Not reported
UTM East:	405.54998779
UTM North:	3738.0300293
Application Date:	10/20/1991
PO Issue Date:	04/24/1992
NAICS Code:	Not reported
SIC Code:	7216

H34 **EASTGATE CENTER** **CPS-SLIC** **S104566058**
ESE **11930 VALLEY VIEW ST** **Orange Co. Industrial Site** **N/A**
1/8-1/4 **GARDEN GROVE, CA 92645** **CERS**
0.198 mi.
1045 ft. **Site 5 of 5 in cluster H**

Relative:
Higher

Actual:
33 ft.

CPS-SLIC:

Name:	EASTGATE CENTER PROPERTY
Address:	11930 VALLEY VIEW STREET
City,State,Zip:	GARDEN GROVE, CA
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	07/14/1999
Global Id:	SL208283883
Lead Agency:	SANTA ANA RWQCB (REGION 8)
Lead Agency Case Number:	96IC46
Latitude:	33.788813537606
Longitude:	-118.027839660645
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	SL208283883
File Location:	Regional Board
Potential Media Affected:	Other Groundwater (uses other than drinking water), Soil
Potential Contaminants of Concern:	Tetrachloroethylene (PCE), Trichloroethylene (TCE)
EPA Region:	9
Coordinate Source:	Manual Entry on Screens
Cuf Case:	NO
Quantity Released Gallons:	Not reported
Begin Date:	01/24/1997
Leak Reported Date:	01/02/1965
How Discovered:	* PTR
How Discovered Description:	Not reported
Discharge Source:	Not reported
Discharge Cause:	Not reported
Stop Method:	Not reported
Stop Description:	Not reported
No Further Action Date:	07/14/1999
CA Water Watershed Name:	Santa Ana River - Lower Santa Ana River - East Coastal Plain (801.11)
Dwr Groundwater Subbasin Name:	Coastal Plain Of Orange County (8-001)
Disadvantaged Community:	Not reported
CA Enviroscreen 3 Score:	61-65%

EASTGATE CENTER (Continued) **S104566058**

CA Enviroscreen 4 Score:	30-35%
Military DOD Site:	No
Facility Project Subtype:	Not reported
RWQCB Region:	SANTA ANA RWQCB (REGION 8)
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Name:	EASTGATE CENTER
Address:	11930 VALLEY VIEW ST
City,State,Zip:	GARDEN GROVE, CA 92645
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	03/23/1998
Global Id:	T10000018356
Lead Agency:	ORANGE COUNTY LOP
Lead Agency Case Number:	96IC046
Latitude:	33.7895774
Longitude:	-118.0284174
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	ORANGE COUNTY LOP
RB Case Number:	Not reported
File Location:	All Files are on GeoTracker or in the Local Agency Warehouse
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
EPA Region:	9
Coordinate Source:	Not reported
Cuf Case:	NO
Quantity Released Gallons:	Not reported
Begin Date:	03/23/1998
Leak Reported Date:	Not reported
How Discovered:	Not reported
How Discovered Description:	Not reported
Discharge Source:	Not reported
Discharge Cause:	Not reported
Stop Method:	Not reported
Stop Description:	Not reported
No Further Action Date:	03/23/1998
CA Water Watershed Name:	Not reported
Dwr Groundwater Subbasin Name:	Not reported
Disadvantaged Community:	Not reported
CA Enviroscreen 3 Score:	Not reported
CA Enviroscreen 4 Score:	Not reported
Military DOD Site:	No
Facility Project Subtype:	Not reported
RWQCB Region:	Not reported
Site History:	Please refer to recent Site Documents or Monitoring Reports for site history. Orange County is not responsible for the accuracy of any professional interpretations provided in reports submitted by consultants for the responsible party.

Click here to access the California GeoTracker records for this facility:

Orange Co. Industrial Site:

Name:	EASTGATE CENTER
Address:	11930 VALLEY VIEW ST

EASTGATE CENTER (Continued) **S104566058**

City,State,Zip: GARDEN GROVE, CA 92645
Case ID: 96IC046
Record ID: RO0000569
Current Status: CLOSED
Closure Type: Closure certification issued
Released Chemical: SOLVENTS-HALOGENATED
Closed Date: 3/23/1998
File Location: Not reported

CERS:
Name: EASTGATE CENTER PROPERTY
Address: 11930 VALLEY VIEW STREET
City,State,Zip: GARDEN GROVE, CA
Site ID: 650987
CERS ID: SL208283883
CERS Description: Cleanup Program Site

Name: EASTGATE CENTER
Address: 11930 VALLEY VIEW ST
City,State,Zip: GARDEN GROVE, CA 92645
Site ID: 650986
CERS ID: T10000018356
CERS Description: Cleanup Program Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: IC SUPERVISOR - ORANGE COUNTY LOP
Entity Title: Not reported
Affiliation Address: 1241 E. DYER RD., SUITE 120
Affiliation City: SANTA ANA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

K35 **HASSAN CHEVRON** **UST** **U004316451**
SE **11971 VALLEY VIEW** **N/A**
1/8-1/4 **GARDEN GROVE, CA 92845**
0.203 mi.
1070 ft. **Site 1 of 36 in cluster K**

Relative:
Higher

Actual:
33 ft.

ORANGE CO. UST:
Name: HASSAN CHEVRON
Address: 11971 VALLEY VIEW
City,State,Zip: GARDEN GROVE 92845
Facility ID: FA24104
Notes: Not reported

K36 SE 1/8-1/4 0.203 mi. 1070 ft. | **LORRAINE HART CHEVRON SS#9-6287**
11971 VALLEY VIEW ST
GARDEN GROVE, CA 92845

Site 2 of 36 in cluster K

UST | **U004345097**
N/A

Relative: Higher

Actual: 33 ft.

UST:

Name:	LORRAINE HART CHEVRON SS#9-6287
Address:	11971 VALLEY VIEW ST
City,State,Zip:	GARDEN GROVE, CA 92845
Facility ID:	2134
Permitting Agency:	ORANGE COUNTY
CERSID:	Not reported
Latitude:	33.7901279
Longitude:	-118.0276838
Owner type:	Not reported
Facility type:	Not reported
Num of inuse ust:	Not reported
Num of closed ust:	Not reported
Num of oos ust:	Not reported
Epa region:	Not reported
Tribal lands:	Not reported
Tank owner name:	Not reported
Tank owner mailing address:	Not reported
Tank owner mailing city:	Not reported
Tank owner mailing zip:	Not reported
Tank owner mailing state:	Not reported
Tank operator name:	Not reported
Tank operator mailing address:	Not reported
Tank operator mailing city:	Not reported
Tank operator mailing zip:	Not reported
Tank operator mailing state:	Not reported
Tankidnumber:	Not reported
Tank status:	Not reported
Tank configuration:	Not reported
Tank closure date:	Not reported
Tank installation date:	Not reported
Tank num of compartments:	Not reported
Tank contents:	Not reported
Tank capacity gallons:	Not reported
Tank type:	Not reported
Tank pc construction:	Not reported
Tank pwpiping construction:	Not reported
Tank piping type:	Not reported
Tank piping construction:	Not reported
Tank sacrificial anode:	Not reported
Tank cp impressed current:	Not reported
Tank cp shutoff:	Not reported
Tank alarms:	Not reported
Tank ball float:	Not reported
Tank spill bucket:	Not reported

K37 SE 1/8-1/4 0.203 mi. 1070 ft. | **H&S ENERGY PRODUCTS, LLC # 2004**
11971 VALLEY VIEW ST
GARDEN GROVE, CA 92845

Site 3 of 36 in cluster K

UST | **U004354020**
N/A

Relative: Higher

Actual: 33 ft.

UST:

Name:	H&S ENERGY PRODUCTS, LLC # 2004
Address:	11971 VALLEY VIEW ST
City,State,Zip:	GARDEN GROVE, CA 92845
Facility ID:	FA0024104
Permitting Agency:	Orange County Environmental Health
CERSID:	10407505
Latitude:	33.7888000
Longitude:	-118.028940
Owner type:	Non-Government
Facility type:	Motor Vehicle Fueling
Num of inuse ust:	Not reported
Num of closed ust:	0
Num of oos ust:	0
Epa region:	9
Tribal lands:	No
Tank owner name:	H&S Energy, LLC
Tank owner mailing address:	2860 Santiago Blvd suite 200
Tank owner mailing city:	Orange
Tank owner mailing zip:	92868
Tank owner mailing state:	Ca
Tank operator name:	H&S Energy Products, LLC
Tank operator mailing address:	2860 N. Santiago Blvd
Tank operator mailing city:	Orange
Tank operator mailing zip:	92868
Tank operator mailing state:	Ca
Tankidnumber:	T- Diesel
Tank status:	Confirmed/Updated Information
Tank configuration:	One in a Compartmented Unit
Tank closure date:	Not reported
Tank installation date:	5/7/2018 12:00:00 AM
Tank num of compartments:	2
Tank contents:	13
Tank capacity gallons:	6000
Tank type:	Double Wall
Tank pc construction:	Fiberglass
Tank pwpiping construction:	Fiberglass
Tank piping type:	Pressure
Tank piping construction:	Double Walled
Tank sacrificial anode:	No
Tank cp impressed current:	No
Tank cp shutoff:	Yes
Tank alarms:	No
Tank ball float:	No
Tank spill bucket:	Yes

Name:	H&S ENERGY PRODUCTS, LLC # 2004
Address:	11971 VALLEY VIEW ST
City,State,Zip:	GARDEN GROVE, CA 92845
Facility ID:	FA0024104
Permitting Agency:	Orange County Environmental Health
CERSID:	10407505
Latitude:	33.7888000

H&S ENERGY PRODUCTS, LLC # 2004 (Continued) **U004354020**

Longitude:	-118.028940
Owner type:	Non-Government
Facility type:	Motor Vehicle Fueling
Num of inuse ust:	Not reported
Num of closed ust:	0
Num of oos ust:	0
Epa region:	9
Tribal lands:	No
Tank owner name:	H&S Energy, LLC
Tank owner mailing address:	2860 Santiago Blvd suite 200
Tank owner mailing city:	Orange
Tank owner mailing zip:	92868
Tank owner mailing state:	Ca
Tank operator name:	H&S Energy Products, LLC
Tank operator mailing address:	2860 N. Santiago Blvd
Tank operator mailing city:	Orange
Tank operator mailing zip:	92868
Tank operator mailing state:	Ca
Tankidnumber:	E-85
Tank status:	Confirmed/Updated Information
Tank configuration:	One in a Compartmented Unit
Tank closure date:	Not reported
Tank installation date:	5/7/2018 12:00:00 AM
Tank num of compartments:	2
Tank contents:	12
Tank capacity gallons:	6000
Tank type:	Double Wall
Tank pc construction:	Fiberglass
Tank pwpiping construction:	Fiberglass
Tank piping type:	Pressure
Tank piping construction:	Double Walled
Tank sacrificial anode:	No
Tank cp impressed current:	No
Tank cp shutoff:	Yes
Tank alarms:	No
Tank ball float:	No
Tank spill bucket:	Yes

Name:	H&S ENERGY PRODUCTS, LLC # 2004
Address:	11971 VALLEY VIEW ST
City,State,Zip:	GARDEN GROVE, CA 92845
Facility ID:	FA0024104
Permitting Agency:	Orange County Environmental Health
CERSID:	10407505
Latitude:	33.7888000
Longitude:	-118.028940
Owner type:	Non-Government
Facility type:	Motor Vehicle Fueling
Num of inuse ust:	Not reported
Num of closed ust:	0
Num of oos ust:	0
Epa region:	9
Tribal lands:	No
Tank owner name:	H&S Energy, LLC
Tank owner mailing address:	2860 Santiago Blvd suite 200
Tank owner mailing city:	Orange
Tank owner mailing zip:	92868

H&S ENERGY PRODUCTS, LLC # 2004 (Continued) **U004354020**

Tank owner mailing state:	Ca
Tank operator name:	H&S Energy Products, LLC
Tank operator mailing address:	2860 N. Santiago Blvd
Tank operator mailing city:	Orange
Tank operator mailing zip:	92868
Tank operator mailing state:	Ca
Tankidnumber:	T-87
Tank status:	Confirmed/Updated Information
Tank configuration:	Stand Alone Tank
Tank closure date:	Not reported
Tank installation date:	5/7/2018 12:00:00 AM
Tank num of compartments:	1
Tank contents:	Regular Unleaded
Tank capacity gallons:	15000
Tank type:	Double Wall
Tank pc construction:	Fiberglass
Tank pwpiping construction:	Fiberglass
Tank piping type:	Pressure
Tank piping construction:	Double Walled
Tank sacrificial anode:	No
Tank cp impressed current:	No
Tank cp shutoff:	Yes
Tank alarms:	No
Tank ball float:	No
Tank spill bucket:	Yes

Name:	H&S ENERGY PRODUCTS, LLC # 2004
Address:	11971 VALLEY VIEW ST
City,State,Zip:	GARDEN GROVE, CA 92845
Facility ID:	FA0024104
Permitting Agency:	Orange County Environmental Health
CERSID:	10407505
Latitude:	33.7888000
Longitude:	-118.028940
Owner type:	Non-Government
Facility type:	Motor Vehicle Fueling
Num of inuse ust:	Not reported
Num of closed ust:	0
Num of oos ust:	0
Epa region:	9
Tribal lands:	No
Tank owner name:	H&S Energy, LLC
Tank owner mailing address:	2860 Santiago Blvd suite 200
Tank owner mailing city:	Orange
Tank owner mailing zip:	92868
Tank owner mailing state:	Ca
Tank operator name:	H&S Energy Products, LLC
Tank operator mailing address:	2860 N. Santiago Blvd
Tank operator mailing city:	Orange
Tank operator mailing zip:	92868
Tank operator mailing state:	Ca
Tankidnumber:	T-91
Tank status:	Confirmed/Updated Information
Tank configuration:	Stand Alone Tank
Tank closure date:	Not reported
Tank installation date:	5/7/2018 12:00:00 AM
Tank num of compartments:	1

H&S ENERGY PRODUCTS, LLC # 2004 (Continued) **U004354020**

Tank contents:	Premium Unleaded
Tank capacity gallons:	12000
Tank type:	Double Wall
Tank pc construction:	Fiberglass
Tank pwpiping construction:	Fiberglass
Tank piping type:	Pressure
Tank piping construction:	Double Walled
Tank sacrificial anode:	No
Tank cp impressed current:	No
Tank cp shutoff:	Yes
Tank alarms:	No
Tank ball float:	No
Tank spill bucket:	Yes

K38 **EAST GATE CHEVRON** **UST** **U004316450**
SE **11971 VALLEY VIEW** **N/A**
1/8-1/4 **GARDEN GROVE, CA 92845**
0.203 mi.
1070 ft. **Site 4 of 36 in cluster K**

Relative:
Higher

Actual:
33 ft.

ORANGE CO. UST:

Name:	EAST GATE CHEVRON
Address:	11971 VALLEY VIEW
City,State,Zip:	GARDEN GROVE 92845
Facility ID:	FA24104
Notes:	Not reported

K39 **96287** **HIST UST** **U001577126**
SE **11971 VALLEY VIEW** **N/A**
1/8-1/4 **GARDEN GROVE, CA 92641**
0.203 mi.
1070 ft. **Site 5 of 36 in cluster K**

Relative:
Higher

Actual:
33 ft.

HIST UST:

Name:	96287
Address:	11971 VALLEY VIEW
City,State,Zip:	GARDEN GROVE, CA 92641
File Number:	0002e720
URL:	https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/0002e720.pdf
Region:	STATE
Facility ID:	00000062868
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	HART,THOMAS
Telephone:	7148978575
Owner Name:	CHEVRON U.S.A. INC.
Owner Address:	575 MARKET
Owner City,St,Zip:	SAN FRANCISCO, CA 94105
Total Tanks:	0004
Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported

96287 (Continued) **U001577126**

Container Construction Thickness: 0000370
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 0000370
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 3
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 0000370
Leak Detection: Stock Inventor

Tank Num: 004
Container Num: 4
Year Installed: Not reported
Tank Capacity: 00001000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 0000370
Leak Detection: Stock Inventor

Click here for Geo Tracker PDF:

K40 **LORRAINE HART CHEVRON** **CERS HAZ WASTE** **S101609562**
SE **11971 VALLEY VIEW ST** **SWEEPS UST** **N/A**
1/8-1/4 **GARDEN GROVE, CA 92645** **CA FID UST**
0.203 mi. **CERS TANKS**
1070 ft. **Site 6 of 36 in cluster K** **HIST CORTESE**
HWTS
Relative: **HAZNET**
Higher **CERS**
Actual:
33 ft.

CERS HAZ WASTE:
Name: H&S ENERGY PRODUCTS, LLC # 2004
Address: 11971 VALLEY VIEW ST
City,State,Zip: GARDEN GROVE, CA 92845
Site ID: 113378
CERS ID: 10407505
CERS Description: Hazardous Waste Generator

SWEEPS UST:
Name: LORRAINE HART CHEVRON
Address: 11971 VALLEY VIEW ST
City: GARDEN GROVE
Status: Active
Comp Number: 2134
Number: 9
Board Of Equalization: Not reported

LORRAINE HART CHEVRON (Continued) **S101609562**

Referral Date: 09-30-92
Action Date: 09-15-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 30-000-002134-000001
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 3

Name: LORRAINE HART CHEVRON
Address: 11971 VALLEY VIEW ST
City: GARDEN GROVE
Status: Active
Comp Number: 2134
Number: 9
Board Of Equalization: Not reported
Referral Date: 09-30-92
Action Date: 09-15-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 30-000-002134-000002
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Name: LORRAINE HART CHEVRON
Address: 11971 VALLEY VIEW ST
City: GARDEN GROVE
Status: Active
Comp Number: 2134
Number: 9
Board Of Equalization: Not reported
Referral Date: 09-30-92
Action Date: 09-15-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 30-000-002134-000003
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

CA FID UST:
Facility ID: 30000446
Regulated By: UTNKA
Regulated ID: Not reported

LORRAINE HART CHEVRON (Continued) **S101609562**

Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	7148978575
Mail To:	Not reported
Mailing Address:	P O BOX 2833 1300 S
Mailing Address 2:	Not reported
Mailing City,St,Zip:	GARDEN GROVE 92645
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

CERS TANKS:

Name:	H&S ENERGY PRODUCTS, LLC # 2004
Address:	11971 VALLEY VIEW ST
City,State,Zip:	GARDEN GROVE, CA 92845
Site ID:	113378
CERS ID:	10407505
CERS Description:	Underground Storage Tank

HIST CORTESE:

edr_fname:	CHEVRON #9-6287
edr_fadd1:	11971
City,State,Zip:	GARDEN GROVE, CA 94641
Region:	CORTESE
Facility County Code:	30
Reg By:	LTNKA
Reg Id:	083000103T

HWTS:

Name:	H&S ENERGY PRODUCTS LLC 2004
Address:	11971 VALLEY VIEW ST
Address 2:	Not reported
City,State,Zip:	GARDEN GROVE, CA 92845
EPA ID:	CAL000257815
Inactive Date:	Not reported
Create Date:	08/16/2002
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	2860 N SANTIAGO BLVD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	ORANGE, CA 928670000
Owner Name:	H&S ENERGY PRODUCTS LLC
Owner Address:	2860 N SANTIAGO BLVD
Owner Address 2:	Not reported
Owner City,State,Zip:	ORANGE, CA 928670000
Owner Phone:	Not reported
Owner Fax:	Not reported
Contact Name:	VICTOR HASSAN
Contact Address:	2860 N SANTIAGO BLVD
Contact Address 2:	Not reported
City,State,Zip:	ORANGE, CA 92867
Contact Phone:	Not reported

LORRAINE HART CHEVRON (Continued) **S101609562**

Contact Fax:	Not reported
Facility Status:	Active
Facility Type:	PERMANENT
Category:	STATE
Latitude:	33.788885
Longitude:	-118.028631

NAICS:

EPA ID:	CAL000257815
Create Date:	2002-08-16 14:42:55.093
NAICS Code:	44711
NAICS Description:	Gasoline Stations with Convenience Stores
Issued EPA ID Date:	2002-08-16 14:42:55.07700
Inactive Date:	Not reported
Facility Name:	H&S ENERGY PRODUCTS LLC 2004
Facility Address:	11971 VALLEY VIEW ST
Facility Address 2:	Not reported
Facility City:	GARDEN GROVE
Facility County:	Not reported
Facility State:	CA
Facility Zip:	92845

HAZNET:

Name:	H&S ENERGY PRODUCTS LLC 2004
Address:	11971 VALLEY VIEW ST
Address 2:	Not reported
City,State,Zip:	GARDEN GROVE, CA 92845
Contact:	VICTOR HASSAN
Telephone:	7147615426
Mailing Name:	Not reported
Mailing Address:	2860 N SANTIAGO BLVD
Year:	2021
Gepaid:	CAL000257815
TSD EPA ID:	CAT080013352
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.021
Year:	2020
Gepaid:	CAL000257815
TSD EPA ID:	CAT080013352
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.084
Year:	2020
Gepaid:	CAL000257815
TSD EPA ID:	NVT330010000
CA Waste Code:	352 - Other organic solids
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)

LORRAINE HART CHEVRON (Continued) **S101609562**

Tons: 0.03

Additional Info:

Year:	2021
Gen EPA ID:	CAL000257815
Shipment Date:	10/2/2020
Creation Date:	11/24/2020
Receipt Date:	10/7/2020
Manifest ID:	014679833FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA, INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D018
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.03
Waste Quantity:	60
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	10/2/2020
Creation Date:	10/28/2020
Receipt Date:	10/8/2020
Manifest ID:	014679832FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	WORLD OIL RECYCLING
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.084
Waste Quantity:	20
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

LORRAINE HART CHEVRON (Continued) **S101609562**

Additional Info:

Year:	2020
Gen EPA ID:	CAL000257815
Shipment Date:	10/2/2020
Creation Date:	11/24/2020
Receipt Date:	10/7/2020
Manifest ID:	014679833FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA, INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D018
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.03
Waste Quantity:	60
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	10/2/2020
Creation Date:	10/28/2020
Receipt Date:	10/8/2020
Manifest ID:	014679832FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE TRANSPORTATION SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	WORLD OIL RECYCLING
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.084
Waste Quantity:	20
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CERS:

Name:	H&S ENERGY PRODUCTS, LLC # 2004

LORRAINE HART CHEVRON (Continued) **S101609562**

Address: 11971 VALLEY VIEW ST
City,State,Zip: GARDEN GROVE, CA 92845
Site ID: 113378
CERS ID: 10407505
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 113378
Site Name: H&S Energy Products, LLC # 2004
Violation Date: 01-20-2015
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 07/27/2015. The Certificate of Financial Responsibility is not up to date. In order to abate this violation, submit a current/revised CFR on the CERS database.
Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 113378
Site Name: H&S Energy Products, LLC # 2004
Violation Date: 01-20-2015
Citation: 23 CCR 16 2638 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638
Violation Description: Failure to test leak detection equipment as required every 12 months (VPH, sensor, LLD, ATG, etc.) and/or submit monitoring system certification to the CUPA within 30 days of completion of the test
Violation Notes: Returned to compliance on 01/20/2015. The annual monitoring cert is past due. The last monitoring cert was conducted on 1/16/2014. Annual monitoring certs must be conducted within the 365 day calender day cycle. This violation was corrected today.
Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 113378
Site Name: H&S Energy Products, LLC # 2004
Violation Date: 10-22-2015
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Description: Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 06/12/2017. The HMBP inventory submitted on CERS must include the 55 Gallon drum for waste fuel contaminated water.
Violation Division: Orange County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 113378
Site Name: H&S Energy Products, LLC # 2004
Violation Date: 02-07-2017
Citation: 23 CCR 16 2643(b)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2643(b)(1)
Violation Description: Failure of the automatic tank gauging (ATG) system to perform valid

LORRAINE HART CHEVRON (Continued) **S101609562**

monthly 0.2 gallon-per-hour leak tests or generate hard-copy test reports.

Violation Notes: Returned to compliance on 02/09/2017. The monthly 0.2 Leak Test Method for the facility has the a method of probability at 95% when testing the CSLD. The single walled tanks must have the CSLD test in operating mode with Pd at 99% according to LG 113. Please change the Leak Test Method to account for the Pd = 99%. Forward a copy of the Veeder Root Tape indicating the change has been made to this agency with-in 30 days.

Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 113378
Site Name: H&S Energy Products, LLC # 2004
Violation Date: 01-11-2017
Citation: 23 CCR 16 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(1)
Violation Description: Failure of the double-walled pressurized piping to be continuously monitored with a system that activates an audible and visual alarm or stops flow at the dispenser when a leak is detected.
Violation Notes: Returned to compliance on 01/11/2017. The shear valve did not trip when water was introduced to the float cup for UDCs 1/2, 3/4, and 9/10. Technicians cleaned, adjusted, and retested on site with passing results. Violation corrected during the inspection.
Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS,

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 07-27-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: CERS 10407505 Reviewed and accepted by M Sutphin The following comments were included in the review: Please note that if this facility has a 55 gallon drum for storing waste fuel contaminated water at site it must also be listed on the HAZMAT inventory. Waste fuel contaminated water is commonly generated, stored, and manifested off as hazardous waste at gas stations ..
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-20-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Change of ownership to H&S Energy, LLC. New entity with Hassan & Sons, Inc. as 100% owner. Per Angela Cruz on July 15, 2015. New ownership date is 7-31-2015. New facility form completed for processing.
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-02-2020

LORRAINE HART CHEVRON (Continued) **S101609562**

Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed CERS information and previous inspection reports for VPN monitor certification scheduled 9-3-20. CERS submittal has been approved
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-03-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Mark Sutphin on site to conduct a routine hazardous waste inspection. Permission to enter, inspect, and take photographs granted by Moe Traifi Facility EP ID # CAL000257815 Municipal dumpster inspected and does not appear to contain any hazardous waste. The perimeter of the facility was also inspected; no obvious signs of releases were noted. Emergency Response Information was available for review. Facility has one waste drum for fuel contaminated solids and one drum for fuel contaminated water. Both drums were stored closed and labelled and dated 4-2-20 Hazardous waste manifests from Able Environmental reviewed at site. Last haz waste pick up was dated 12-13-19 Please Note, Hazardous waste must be disposed within 90 days of accumulating 100 kilograms of hazardous waste. Each container and portable tank holding hazardous waste was properly marked with the following information: 1. "HAZARDOUS WASTE" 2. Waste (name) 3. Hazardous property of the waste (e.g. - [Truncated]
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-04-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Mark Sutphin on site to conduct a routine hazmat facility inspection. Permission to enter, inspect, and take photographs granted by Victor Hassan Facility has submitted a hazmat business plan on CERS 10407505 Facility EP ID # CAL000257815 Facility has reported gasoline, diesel, E85, waste fuel contaminated water, and carbon dioxide. Inventory appears correct Site map appears correct. Facility has implemented Hazmat Business plan and provides employee training.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-26-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: CERS submittal 10407505 reviewed and accepted by M Sutphin DO statement dated 1-1-16, Financial responsibility dated 9-25-16 ..
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

LORRAINE HART CHEVRON (Continued) **S101609562**

Eval General Type: Other/Unknown
Eval Date: 10-01-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: UST CERS submittal reviewed and accepted by M Sutphin. CFR dated 9-25-19 DO Statement dated 9-4-19
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-03-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Called Brian Burns the Applicant and discussed that he needs to submit one more copy of the UST install plans and a separate set of 3 plans for the removal of the existing USTs. Also we need a copy of the Contractor's Certifications.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-04-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: UST notification received for Monitoring Certification
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-18-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: CERS review conducted. The Facility Information pages were accepted. The Hazardous materials inventory pages were accepted. The Emergency Response Plan and training were accpeted.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-18-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed open violations.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-19-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Mark Sutphin onsite to perform the annual UST facility inspection and to witness the underground storage tank(UST) annual monitor

LORRAINE HART CHEVRON (Continued) **S101609562**

certification. Permission to enter, inspect, and take photographs granted by the cashier Alla Wahaeib. David Lopez is the contractor Performing the monitoring certification. Mr. Lopez presented his Veeter Root, Vaporless, and ICC certification, all are current. During the inspection the following was observed: 1. The facility has Three single walled UST's - Regular, Supreme, and Diesel - 10,000 gallons each. 2. All sumps were clear of debris and water. Test boots on product secondary lines in piping sumps were pulled back and open, and all the sensors were located in lowest points in sumps. 3. All sump, annular, and high water sensors(208) were tested in water, and provided turbine shut down. The diesel fill sump sensor would not go out of alarm so it was replaced 4. The UDC sensors were tested in water and all sensors shut down the [Truncated]

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-28-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Received the annual monitoring certification from Clean Air Testing on this date. Testing was performed on January 20, 2015. All sensors, line leak detectors, spill buckets, and float and chain assemblies were tested. The siphon jet valve on the 87 turbine was replaced and the PLLD on the 87 passed. Violation I696 has been abated. In addition, a relay to the 91 turbine was replaced.

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 02-19-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: For your chemical waste absorbent and spent fuel filters please remove this chemical entirely from your inventory since you below threshold quantities for a solid, which is 500 pounds. If you have any questions please contact me at anesbit@ochca.com or 714-640-4249. Thank you

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 02-24-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Received passing monitor certification and SB989 testing results for testing performed 1-16-14 Monitor certification testing was witnessed by this Agency

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-13-2017
Violations Found: No

LORRAINE HART CHEVRON (Continued) **S101609562**

Eval Type: Other, not routine, done by local agency
Eval Notes: Declined UST submittal in CERS due to: Please verify date of installation. The date listed is 1990, which means the tanks must be double-walled. Submit corrections within 30 days.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-12-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: UST plan reviewed by M Sutphin 6-12-14 CERS submittal 10407505 reviewed this date.The plan was not accepted. On all tank information pages change the number of compartments to 1 not 0 also in the financial responsibility section include a new financial responsibility form dated within the last year. a new form must be submitted annually with a recent date
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-26-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Mark Sutphin on site to conduct a routine hazmat facility inspection. Permission to enter, inspect, and take photographs granted by Christian Torres Facility has submitted a hazmat business plan on CERS 10407505 Facility EP ID # CAL000257815 Facility has reported gasoline, diesel, E85, waste fuel contaminated water, car wash soap in two 55 gallon drums and carbon dioxide. Site map appears correct. Facility has implemented Hazmat Business plan and provides employee training.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-26-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Mark Sutphin onsite to perform the annual UST facility inspection and to witness the underground storage tank(UST) annual monitor certification. Permission to enter, inspect, and take photographs granted by Christian Torres the Environmental Compliance manager. Byrone Cruz is the contractor Performing the monitoring certification. Mr. Cruz presented his Veeter Root, Vaporless, and ICC certification, all are current. During the inspection the following was observed: 1. The facility has four new VPH system UST's 12 k Regular, 12k Supreme, 6k E85, and 6kDiesel - the diesel and E85 are in a dual compartment tank. 2. All sumps were clear of debris and water. all the sensors were located in lowest points in sumps. 3. All sump, annular, and high water sensors323 were tested in water, and provided turbine shut down. 4. The UDC sensors were tested in water and all sensors shut down the dispensers. 5. Flappers were observed on fill tubes. The flappers are primary overfill [Truncated]
Eval Division: Orange County Environmental Health

LORRAINE HART CHEVRON (Continued) **S101609562**

Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-03-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Mark Sutphin onsite to perform the annual UST facility inspection and to witness the underground storage tank(UST) annual monitor certification. Permission to enter, inspect, and take photographs granted by the cashier Moe Traifi Byron Cruz is the contractor Performing the monitoring certification. Mr. Cruz presented his Veeter Root, Vaporless, and ICC certification, all are current. During the inspection the following was observed: 1. The facility has four new VPH system UST's 12 k Regular, 12k Supreme, 6k E85, and 6kDiesel - the diesel and E85 are in a dual compartment tank. 2. All sumps were clear of debris and water. all the sensors were located in lowest points in sumps. 3. All sump, annular, and high water sensors323 were tested in water, and provided turbine shut down. 4. The UDC sensors were tested in water and all sensors shut down the dispensers. 5. Flappers were observed on fill tubes. The flappers are primary overfill prevention at this facility 6. [Truncated]
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-21-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-21-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-28-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: The dba has changed to H &S ENERGY llc . The owner is still the same as before
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-13-2021
Violations Found: No

LORRAINE HART CHEVRON (Continued) **S101609562**

Eval Type: Other, not routine, done by local agency
Eval Notes: Overfill protection changed from Audio visual alarm to Flapper valves for each UST at site.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-12-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed and accepted by M Sutphin Financial responsibility dated 9-25-15 Owner statement of DO dated 10-28-15 Facility has 3 Single walled USTs performing ELLD ..
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-05-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Monitor cert notification
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-05-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: SB 989 test notification
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-11-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-11-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Discussion with Susan regarding permit. Permit is not accurate, emailed Susan information to request a new copy sent to operator/owner.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown

LORRAINE HART CHEVRON (Continued) **S101609562**

Eval Date: 01-11-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Helped facility with locating information for CERS.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-16-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site for routine UST inspection, monitor certification, SB989 testing. The facility has three single-walled fuel tanks monitored by a Veeder Root TLS-350. The system doec CSLD monthly at 0.2 gal/Hr and records are kept in DO reports. The monitor is operational for audible and visual alarms. Panel display reads all functions normal. Positive shutdown and fail safe programming were verified. Flapper valves are used for overfill prevention. The sensors in the turbine sumps shutdown the turbine when submerged in fuel. The fill sump sensors trigger an audible and visual alarm when submerged in fluid. The dispensers have Bravo float-chain mechanisms for dispenser monitoring. The spill buckets were visually tested for 30 minutes. The leak detectors were tested at site this date. The following documents were available for review: permit, monitoring procedure, leak response plan, test reports, most DO monthly reports for the previous 12 months, and 0.2 gph monthly [Truncated]
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-19-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Mark Sutphin on site to conduct a routine hazardous waste inspection. Permission to enter, inspect, and take photographs granted by Alla Wahaeib Facility EP ID # CAL000257815 Municipal dumpster area does not appear to contain any hazardous waste. The perimeter of the facility was also inspected; no obvious signs of releases were noted. Emergency Response Information was available for review. Facility has one waste drum for fuel contaminated solids and one drum for fuel contaminated water. Both drums were empty this date. Hazardous waste containers were properly labeled and covered. Hazardous waste manifests from Able Environmental reviewed at site Each container and portable tank holding hazardous waste was marked with the following information: 1. "HAZARDOUS WASTE" 2. Waste (name) 3. Hazardous property of the waste (e.g. - toxic, flammable, corrosive, etc.) 4. Physical state of the waste (liquid or solid) 5. Name and address of the business 6. The [Truncated]
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-20-2015
Violations Found: No

LORRAINE HART CHEVRON (Continued) **S101609562**

Eval Type: Routine done by local agency
Eval Notes: On site to conduct a routine hazardous waste inspection. Met with Alla Wahaieb, facility manager, who gave consent to enter and inspect the facility. Hazardous waste observed on site include: - (1) 55-gallon drum containing waste water (empty) and (1) 55-gallon drum containing waste fuel filters. All containers were labeled and properly closed. Hazardous waste manifests for all hazardous waste streams were available for review. Perimeter of the facility and the municipal dumpster was inspected. Did not observe any indication of a hazardous waste release or illegal dumping along the perimeter of the facility. The Hazardous Waste Emergency Response information was available in CERS.
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 02-03-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: UST CERS submittal reviewed and accepted by M Sutphin. CFR dated 9-25-19 DO Statement dated 9-4-19
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-11-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: The facility has removed the USTs and are in the process of installing new tanks at the facility.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 02-07-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Declined previously accepted submittal in CERS due to: All tanks: provide date of installation. Tank monitoring: for ATG, please specify 0.2 gph test or test parameters in programmed tank test field and CSLD (if used) in Other Programmed Test field
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 02-07-2017
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: This is an in-office inspection report. Review of the test results for the Monitoring System Certification testing conducted on 1-11-17 by Steve Loera of Clean Air Testing Inc. was conducted. The Veeder Root tape attached to the test results indicates the wrong probability Leak Test Method is being used. The VR printout indicates the Leak Test

LORRAINE HART CHEVRON (Continued) **S101609562**

Method for the CSLD has a 95% probability to find the leak and it must be set to 99% due to the single walled tanks (see violation). Please correct the programing and forward a copy of the Veeder Root print out indicating the change to the leak test method Pd = 99% with-in 30 days to this agency. Thank you

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 02-09-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: UST CERS submittal reviewed and accepted by M Sutphin. CFR dated 1-1-21

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-22-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-03-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Mark Sutphin on site to conduct a routine hazmat facility inspection. Permission to enter, inspect, and take photographs granted by Moe Traifi Facility has submitted a hazmat business plan on CERS 10407505 Facility EP ID # CAL000257815 Facility has reported gasoline, diesel, E85, waste fuel contaminated water, car wash soap in two 55 gallon drums and carbon dioxide. Site map appears correct. Facility has implemented Hazmat Business plan and provides employee training.

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-04-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: MARK Sutphin at site to witness monitor certification testing for VPH UST system . Testing performed by Dave Lopez of Clean Air Testing. Certifications were verified up to date. Four USTs 15k 87, 12k 91, and 6k E85/ 6K diesel split Xerxes tank. All tanks brine filled annuli and secondary lines are continuous vacuum. Veederoot panel appears operational .The VR208 sensors in sumps and UDCs passed VR323 sensor in e85 sumps passed.. Fail safe and sensor out passed. Annular 303 sensors passed. PLLDs passed. VR 304 brine level sensors passed testing. The Vacuum sensors S-1, S-5, and S-7 failed and were replaced and retested and passed this date. The VPH tanks had their final

LORRAINE HART CHEVRON (Continued) **S101609562**

installation testing 8-9-18 and the overfill testing was performed at that time and passed a cover letter of testing ins in the tank file. Overfill testing is not due again till 8-9-22 Monthly DO reports at site. Annual training 7-7-19 at site. CFR dated 9-25-18.

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-28-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: CERS submittal Underground Tank Facility information reviewed and accepted .The dba to H & s ENERGY llc . The owner is still the same as before

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-12-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Approved amended plans SR0126130 for the installation of three 10000 gallon USTs. Contractor contacted to pick up plans ..

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-16-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site for routine hazardous waste inspection. Permission to enter, inspect, and take photographs granted by Sami Ansari. There are two 55-gallon drums in the dumpster area, one with fuel filters and debris, is currently empty Hazardous waste drum is labeled and stored closed Manifests are kept in the compliance note book Facility EPA ID# is CAL000257815

Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-18-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: File review regarding the facility change in MC dates. A01 conducted on 1-11-17.

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-19-2016
Violations Found: No
Eval Type: Routine done by local agency

LORRAINE HART CHEVRON (Continued) **S101609562**

Eval Notes: Mark Sutphin on site to conduct a routine Hazardous Material Facility HMBP inspection. Permission to enter, inspect, and take photographs granted by Alla Wahaeib. Facility has submitted a HMBP on CERS 10407505 Facility has reportable quantities of gasoline, diesel, fuel contaminated water, and fuel contaminated debris. Facility has implemented a HMBP plan and provided training to the employees
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-19-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: INSPECTOR COMMENTS Received the Annual Monitoring System Certification Test Result and the Secondary Containment Testing Report, dated 1/11/2017. The following tests PASSED: - Monitoring System Certification - Line Leak Detector - Spill Bucket Test - Fill, STP, UDC Sumps - Secondary Product Lines
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-20-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On site to witness annual monitor certification and to conduct a routine UST inspection. Met with store manager Alla Wahaieb of Hasssan and Sons Inc and David Lopez of Clean Air Testing. David Lopez conducted the tank testing, monitor system certification, and spill bucket testing. Mr. Lopez s ICC and Veeder-Root certifications were observed and verified. The facility contains (3) 10,000 gallon single-walled USTs (87, 91, and Diesel) monitored by a Veeder-Root TLS-350 system. The monitoring panel read "all functions normal". Alarm history and set-up tape was reviewed during this inspection. The USTs use a flapper valve for the overfill protection. No audio or visual alarms are present at the facility. The following tested and PASSED: - The STP Sump and UDC sensors (VR-208) initiated positive shutdown to the turbines when tested in water. - The fill sump sensors (VR-208) set off an alarm on the Veeder-Root panel (not programmed to shut down turbines). [Truncated]
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-26-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Permit review. Content of midgrade tank had changed to diesel. Submitted changes to Susan. ML
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown

LORRAINE HART CHEVRON (Continued) **S101609562**

Eval Date: 01-27-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: CERS review
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 02-04-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: UST CERS submittal reviewed and accepted. Overfill protection is listed as fill tube shut off valve . CRR dated 1-1-22, Owner operator agreement dated 7-15-20
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-15-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-15-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Accepted UST submittal in CERS- revised date of installation provided
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-29-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Mark Sutphin on site to conduct a routine hazardous waste inspection. Permission to enter, inspect, and take photographs granted by Mary Haddad Facility EP ID # CAL000257815 Municipal dumpster inspected and does not appear to contain any hazardous waste. The perimeter of the facility was also inspected; no obvious signs of releases were noted. Emergency Response Information was available for review. Facility has one waste drum for fuel contaminated solids and one drum for fuel contaminated water. Both drums were stored closed and labelled and dated 11-29-18 Hazardous waste manifests from Able Environmental reviewed at site. Last hazwaste pick up was dated 8-15-18 Each container and portable tank holding hazardous waste was marked with the following information: 1. "HAZARDOUS WASTE" 2. Waste (name) 3. Hazardous property of the waste (e.g. - toxic, flammable, corrosive, etc.) 4. Physical state of the waste (liquid or solid) 5. Name and address of the [Truncated]
Eval Division: Orange County Environmental Health

LORRAINE HART CHEVRON (Continued) **S101609562**

Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-29-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Mark Sutphin on site to conduct a routine hazmat facility inspection. Permission to enter, inspect, and take photographs granted by Mary Haddad Facility has submitted a hazmat business plan on CERS 10407505 Facility EP ID # CAL000257815 Facility has reported gasoline, diesel, E85, waste fuel contaminated water, and carbon dioxide. Site map appears correct. Facility has implemented Hazmat Business plan and provides employee training.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-27-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed and accepted CERS 10407505 by M Sutphin 3 Single walled USTs with double walled piping Owner statement of Do dated 4-6-15 Financial responsibility dated 9-8-14 CFO letter 12-12-14 Monitoring plan states 0.2 GPH monthly CSLD and 0.1 GPH yearly test If the yearly 0.1 GPH test is not being done make sure you correct the monitoring plan to remove the 0.1 GPH test ..
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-09-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site for tank set final inspection. Monitoring system certification and spill bucket testing was conducted by Dave Lopez of Clean Air Testing. ICC, Veeder Root and VMI certifications were verified. Submit test results to this Agency within 30 days. The facility has four double-walled tanks (87-15k, 91-12k, E85-6k split, Diesel-6k split), monitored by a Veeder Root TLS350. All tanks have brine filled annulars and are continuously monitored under vacuum. The monitor is operational for audible and visual alarms, panel display reads All functions normal . The tanks have double-walled pressurized piping. Positive shutdown of turbines were verified when their corresponding VR-208 sensors and VR-323 sensors in the E85 sumps, in both piping and fill sumps, were submerged in liquid. Fail safe and sensor out triggered positive shutdown of turbines. Brine filled annulars are monitored by VR 303 sensors. All UDC s are monitored by 208 sensors and 323 sensors in UDCs 3/4 and 5/6 [Truncated]
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-13-2013

LORRAINE HART CHEVRON (Continued) **S101609562**

Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: CERS- No Violations
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-20-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Change of ownership to H&S Energy, LLC. New entity with Hassan & Sons, Inc. as 100% owner. Per Angela Cruz on July 15, 2015. New ownership date is 7-31-2015. New facility form completed for processing.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-23-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Facility has four New Xerxes VPH USTs that were installed 5-7-18. 15 k 87, 12k 91 and a split 6K diesel / 6K E-85. Annual monitor certification is scheduled 9-4-19. CERS submittal appears correct
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-25-2022
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site for routine underground storage tank inspection, monitoring system certification, and spill bucket testing. The facility has four double walled tanks monitored by a Veeder Root system under VPH. Tester certifications for Byrone Cruz were verified. Monitor is operational for audible and visual alarms. The panel reads "all functions normal." Positive shutdown and fail safe programming were verified. Flapper valves are installed for overfill prevention. All sump and UDC sensors were foun
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-04-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Mark Sutphin on site to conduct a routine hazardous waste inspection. Permission to enter, inspect, and take photographs granted by Victor Hassan Facility EP ID # CAL000257815 Municipal dumpster inspected and does not appear to contain any hazardous waste. The perimeter of the facility was also inspected; no obvious signs of releases were noted. Emergency Response Information was available for review. Facility has one waste drum for fuel contaminated solids and one drum for fuel contaminated water. Both drums were stored closed and labelled and

LORRAINE HART CHEVRON (Continued) **S101609562**

dated 11-29-18 Hazardous waste manifests from Able Environmental reviewed at site. Last haz waste pick up was dated 8-15-18 Please Note, Hazardous waste must be disposed within 90 days of accumulating 100 kilograms of hazardous waste. Each container and portable tank holding hazardous waste was marked with the following information: 1. "HAZARDOUS WASTE" 2. Waste (name) 3. Hazardous property of the waste (e.g. - toxic, [Truncated]

Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-04-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: reviewed file
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-08-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Enter updated Storage Tank owner, tank operator, and property owner information into EC Storage Tank Dispatch Center.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-18-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: SR0131520 is completed, original plans were dropped off in rear storage, 7095 report was submitted. RUR was submitted to activate this record and prorate to 8/9/18. Awaiting status to confirm permitting with Susan.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-11-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed and accepted by M Sutphin. Please note that ball float and Flapper valves are both listed as overfill protection and must therefor both be tested
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-22-2015
Violations Found: Yes
Eval Type: Routine done by local agency

LORRAINE HART CHEVRON (Continued) **S101609562**

Eval Notes: Mark Sutphin on site to conduct a routine hazardous waste inspection. Permission to enter, inspect, and take photographs granted by Alla Wahaieb Facility has underground storage tanks of gasoline and Diesel , and one 55 gallon drum for fuel contaminated water The facility has notified on CERS 10407505 but did not include the waste fuel contaminated water drum on the disclosure ..
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-20-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed cers submittal and approved by M Sutphin Financial responsibility dated 9-25-15 and DO statement dated 9-25-15 ..
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-24-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Plans were not accepted. Requested Applicant to submit detailed map(s) of the proposed work. Also, the ICC Installer certificate was not included in the packet and must be submitted prior to approval.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-28-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: The dba has changed to H &S ENERGY llc . The owner is still the same as before
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-26-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Received and ACCEPTED the HMBEP on CERS.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-06-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed and accepted UST submittal. Facility has updated the CFR coverage. Coverage period is 9/25/17 to 9/25/18.
Eval Division: Orange County Environmental Health

LORRAINE HART CHEVRON (Continued) **S101609562**

Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-15-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: PER GENIECE HIGGINS, WORK WAS NOT COMPLETED
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 12-31-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Monitor cert notification
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-05-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: SB 989 test reschedule notification
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-11-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Monitor cert reschedule notification
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-11-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: INSPECTOR COMMENT: On site for routine UST inspection, monitoring system certification, and spill bucket testing. Permission to enter and inspect was given by Alla Wahaieb, Manager. Testing of monitoring equipment was performed by Steve Loera of Clean Air Compliance; ICC, Veeder Root, and VMI certifications were verified and are current. The facility has three single-walled underground storage tanks, (87, 91, and Diesel). Panel display reads all function normal . The monitor was operational for audible and visual alarms. Leak sensors were all located at the lowest point possible in the sumps. Leak sensors (VR-208) for the turbines sumps were tested and determined to be operational. Sensor out and fail safe mechanisms were tested and passed. Float and chain assemblies were tested on the UDCs and the shear valves did not trip at the following dispensers: 1/2, 3/4, and 9/10. Float and chain were adjusted, cleaned, and re-tested with

LORRAINE HART CHEVRON (Continued) **S101609562**

passing results. The line leak [Truncated]
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-13-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Monitor cert notification
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-20-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: CERS Submission Denied.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 02-04-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed and accepted by M Sutphin Financial responsibility dated 9-25-15 Owner DO statement dated 1-1-16 ..
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 02-05-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed and accepted by M Sutphin. 3 usts removed 12-13-17 and 4 new usts installed Documents appear correct.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 02-28-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: This is an in-office inspection report to document the submittal of a copy of the Veeder Root print out that indicates the CSLD test method changed from 95% to 99%. The CSLD test method utilizes Pd= 99%. Violation I487 is corrected. Thank you
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-21-2015

LORRAINE HART CHEVRON (Continued) **S101609562**

Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: From: Krall, Joyce Sent: Tuesday, April 21, 2015 9:02 AM To: 'Wayne Watkins' Cc: 'Escobedo, Marco' Subject: RE: East Gate Chevron, 11971 Valley View Blvd., Garden Grove (FG# 15275) Remove and Replace Fuel system Good morning Wayne, I ve attached a copy of our fee schedule for you. Also, the UST inspector for this garden grove facility is Marco Escobedo. His phone number is 714 586 6185. He s cc on this email. Regards, Joyce Krall, REHS Hazardous Waste Specialist III Environmental Health, Health Care Agency Direct: 714.640.9685 Website | Facebook | Twitter From: Wayne Watkins [mailto:wwatkins@fiedlergroup.com] Sent: Tuesday, April 21, 2015 7:17 AM To: Krall, Joyce Cc: Carroll, Brian Subject: East Gate Chevron, 11971 Valley View Blvd., Garden Grove (FG# 15275) Remove and Replace Fuel system Good Morning Joyce Can you provide me with the plan check fees for the subject site, the scope of work is shown below: remove and Replace Fuel [Truncated]
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-08-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Phone call regarding Permit to Operate. Spoke to Angela Cruz.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-17-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: This Agency has received the following documents: Designated Operator monthly reports for May through August 2012 Designated Operator training records for 2012 Certification of Financial Responsibility dated 12/20/12 Violations (TS11) and (TS12) have been corrected. Please maintain the designated operator records on site and make them available for review during inspections. Thank you.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-05-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: The following documents were received and ACCEPTED on the CERS Portal: Chemical Inventory for 3 Facility site Map Emergency response Employee Training Documentation
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-20-2015

LORRAINE HART CHEVRON (Continued) **S101609562**

Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Change of ownership to H&S Energy, LLC. New entity with Hassan & Sons, Inc. as 100% owner. Per Angela Cruz on July 15, 2015. New ownership date is 7-31-2015. New facility form completed for processing.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-23-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed and accepted electronic UST package. Facility hs updated their DO Statement.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-25-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: CERS submittal reviewed and accepted CFR dated 1-1-21, Monitoring plan updated
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-26-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Mark Sutphin on site to conduct a routine hazardous waste inspection. Permission to enter, inspect, and take photographs granted by Christian Torres Facility EP ID # CAL000257815 Municipal dumpster inspected and does not appear to contain any hazardous waste. The perimeter of the facility was also inspected; no obvious signs of releases were noted. Emergency Response Information was available for review. Facility has one waste drum for fuel contaminated solids and one drum for fuel contaminated water. Both drums were stored closed and labelled and dated 8-14-21 Hazardous waste manifests from Able Environmental reviewed at site. Last haz waste pick up was dated 4-21-21 Each container and portable tank holding hazardous waste was marked with the following information: 1. "HAZARDOUS WASTE" 2. Waste (name) 3. Hazardous property of the waste (e.g. - toxic, flammable, corrosive, etc.) 4. Physical state of the waste (liquid or solid) 5. Name and address of the [Truncated]
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS,

Coordinates:
Site ID: 113378
Facility Name: H&S Energy Products, LLC # 2004
Env Int Type Code: HWG
Program ID: 10407505

LORRAINE HART CHEVRON (Continued) **S101609562**

Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.,
Latitude:	33.788800
Longitude:	-118.028940

Affiliation:

Affiliation Type Desc:	Legal Owner
Entity Name:	H&S Energy Products, LLC
Entity Title:	Not reported
Affiliation Address:	2860 N Santiago Blvd 2nd Floor
Affiliation City:	Orange
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92867
Affiliation Phone:	(714) 761-5426,

Affiliation Type Desc:	UST Tank Operator
Entity Name:	H&S Energy Products, LLC
Entity Title:	Not reported
Affiliation Address:	2860 N. Santiago Blvd
Affiliation City:	Orange
Affiliation State:	Ca
Affiliation Country:	United States
Affiliation Zip:	92868
Affiliation Phone:	(714) 448-5000,

Affiliation Type Desc:	UST Tank Owner
Entity Name:	H&S Energy, LLC
Entity Title:	Not reported
Affiliation Address:	2860 Santiago Blvd suite 200
Affiliation City:	Orange
Affiliation State:	Ca
Affiliation Country:	United States
Affiliation Zip:	92868
Affiliation Phone:	(714) 761-5426,

Affiliation Type Desc:	CUPA District
Entity Name:	Orange County Env Health
Entity Title:	Not reported
Affiliation Address:	1241 East Dyer RoadSuite 120
Affiliation City:	Santa Ana
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92705-5611
Affiliation Phone:	(714) 433-6406,

Affiliation Type Desc:	Document Preparer
Entity Name:	Christian Torres
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Facility Mailing Address

LORRAINE HART CHEVRON (Continued) **S101609562**

Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	2860 N Santiago Blvd. Suite 200
Affiliation City:	Orange
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92867
Affiliation Phone:	,

Affiliation Type Desc:	Identification Signer
Entity Name:	AlaEddin (Victor) Hassan
Entity Title:	Vice President
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Operator
Entity Name:	H&S Energy Products, LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(714) 761-5426,

Affiliation Type Desc:	Parent Corporation
Entity Name:	H&S Energy, LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	UST Property Owner Name
Entity Name:	H&S Energy, LLC
Entity Title:	Not reported
Affiliation Address:	2860 N. Santiago Blvd. 2nd floor
Affiliation City:	Orange
Affiliation State:	Ca
Affiliation Country:	United States
Affiliation Zip:	92868
Affiliation Phone:	(714) 448-5000,

Affiliation Type Desc:	Environmental Contact
Entity Name:	Christian Torres
Entity Title:	Not reported
Affiliation Address:	2860 N Santiago Blvd. Suite 200
Affiliation City:	Orange
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92867

LORRAINE HART CHEVRON (Continued) **S101609562**

Affiliation Phone:	,
Affiliation Type Desc:	Property Owner
Entity Name:	H&S Energy, LLC
Entity Title:	Not reported
Affiliation Address:	2860 Santiago Blvd. - 2nd floor
Affiliation City:	Orange
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92867
Affiliation Phone:	(714) 761-5426,
Affiliation Type Desc:	UST Permit Applicant
Entity Name:	Ala Eddin Hassan
Entity Title:	V.P.
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(714) 761-5426,

K41 **H&S ENERGY PRODUCTS LLC 2004** **RCRA NonGen / NLR** **1024804370**
SE **11971 VALLEY VIEW ST** **CAL000257815**
1/8-1/4 **GARDEN GROVE, CA 92845**
0.203 mi.
1070 ft. **Site 7 of 36 in cluster K**

Relative:
Higher

Actual:
33 ft.

RCRA Listings:

Date Form Received by Agency:	20200910
Handler Name:	H&S Energy Products Llc 2004
Handler Address:	11971 VALLEY VIEW ST
Handler City,State,Zip:	GARDEN GROVE, CA 92845
EPA ID:	CAL000257815
Contact Name:	VICTOR HASSAN
Contact Address:	2860 N SANTIAGO BLVD
Contact City,State,Zip:	ORANGE, CA 92867
Contact Telephone:	714-761-5426
Contact Fax:	714-252-5394
Contact Email:	A.HASSAN@HASOIL.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	2860 N SANTIAGO BLVD
Mailing City,State,Zip:	ORANGE, CA 92867-0000
Owner Name:	Not reported
Owner Type:	Not reported
Operator Name:	H&S Energy Products Llc
Operator Type:	Other
Short-Term Generator Activity:	No

H&S ENERGY PRODUCTS LLC 2004 (Continued) **1024804370**

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200925
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: VICTOR HASSAN	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2860 N SANTIAGO BLVD
Owner/Operator City,State,Zip:	ORANGE, CA 92867
Owner/Operator Telephone:	714-761-5426
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: H&S ENERGY LLC	
Legal Status:	Other

H&S ENERGY PRODUCTS LLC 2004 (Continued) **1024804370**

Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2860 N SANTIAGO BLVD
Owner/Operator City,State,Zip:	ORANGE, CA 92867-0000
Owner/Operator Telephone:	714-761-5426
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: H&S ENERGY PRODUCTS LLC	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2860 N SANTIAGO BLVD
Owner/Operator City,State,Zip:	ORANGE, CA 92867-0000
Owner/Operator Telephone:	714-761-5426
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20020816
Handler Name: H&S 4	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20200910
Handler Name: H&S ENERGY PRODUCTS LLC 2004	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	44711
NAICS Description:	GASOLINE STATIONS WITH CONVENIENCE STORES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

H&S ENERGY PRODUCTS LLC 2004 (Continued) **1024804370**

Evaluation Action Summary:
Evaluations: No Evaluations Found

K42 **CHEVRON STATION 9 6287** **RCRA-SQG** **1000686240**
SE **11971 VALLEY VIEW** **LUST** **CAD983634767**
1/8-1/4 **GARDEN GROVE, CA 92841** **Cortese**
0.203 mi. **CERS**
1070 ft. **Site 8 of 36 in cluster K**

Relative: Higher
Actual: 33 ft.

RCRA Listings:

Date Form Received by Agency:	19960901
Handler Name:	Chevron Station 9 6287
Handler Address:	11971 VALLEY VIEW
Handler City,State,Zip:	GARDEN GROVE, CA 92841
EPA ID:	CAD983634767
Contact Name:	Not reported
Contact Address:	Not reported
Contact City,State,Zip:	Not reported
Contact Telephone:	Not reported
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	11971 VALLEY VIEW
Mailing City,State,Zip:	GARDEN GROVE, CA 92841
Owner Name:	Not reported
Owner Type:	Not reported
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline

CHEVRON STATION 9 6287 (Continued) **1000686240**

202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CHEVRON USA PRODUCTS CO
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	P O BOX 2833
Owner/Operator City,State,Zip:	LA HABRA, CA 90632
Owner/Operator Telephone:	310-694-7452
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19960901
Handler Name:	CHEVRON STATION 9 6287
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	19920504
Handler Name:	CHEVRON STATION 9 6287
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No

CHEVRON STATION 9 6287 (Continued) **1000686240**

Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	19990304
Handler Name: 96287 CHEVRON STATION	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	4471
NAICS Description:	GASOLINE STATIONS

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

LUST:

Name:	CHEVRON #9-6287
Address:	11971 VALLEY VIEW
City,State,Zip:	GARDEN GROVE, CA 92645
Lead Agency:	ORANGE COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605900080
Global Id:	T0605900080
Latitude:	33.7886887042576
Longitude:	-118.028869628906
Status:	Completed - Case Closed
Status Date:	04/24/2003
Case Worker:	Not reported
RB Case Number:	083000103T
Local Agency:	Not reported
File Location:	Local Agency
Local Case Number:	86UT110
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Waste Oil / Motor / Hydraulic / Lubricating, Gasoline
EPA Region:	9
Coordinate Source:	* Historical Geocode - Exact Address Match
Cuf Case:	YES
Quantity Released Gallons:	0
Begin Date:	07/09/1986

CHEVRON STATION 9 6287 (Continued) **1000686240**

Leak Reported Date:	07/09/1986
How Discovered:	Tank Closure
How Discovered Description:	Not reported
Discharge Source:	Not reported
Discharge Cause:	Not reported
Stop Method:	Close and Remove Tank
Stop Description:	Not reported
No Further Action Date:	04/24/2003
CA Water Watershed Name:	Santa Ana River - Lower Santa Ana River - East Coastal Plain (801.11)
Dwr Groundwater Subbasin Name:	Coastal Plain Of Orange County (8-001)
Disadvantaged Community:	Not reported
CA Enviroscreen 3 Score:	16-20%
CA Enviroscreen 4 Score:	40-45%
Military DOD Site:	No
Facility Project Subtype:	Not reported
RWQCB Region:	SANTA ANA RWQCB (REGION 8)
Site History:	Not reported

LUST:

Global Id:	T0605900080
Contact Type:	Regional Board Caseworker
Contact Name:	MIGUEL OVIEDO
Organization Name:	SANTA ANA RWQCB (REGION 8)
Address:	3737 Main Street, Suite 500
City:	RIVERSIDE
Email:	miguel.oviedo@waterboards.ca.gov
Phone Number:	9517823238

LUST:

Global Id:	T0605900080
Action Type:	REMEDIATION
Date:	10/25/1995
Action:	Excavation
Global Id:	T0605900080
Action Type:	REMEDIATION
Date:	10/25/1995
Action:	Pump & Treat (P&T) Groundwater
Global Id:	T0605900080
Action Type:	Other
Date:	07/09/1986
Action:	Leak Discovery
Global Id:	T0605900080
Action Type:	Other
Date:	07/09/1986
Action:	Leak Reported
Global Id:	T0605900080
Action Type:	ENFORCEMENT
Date:	04/24/2003
Action:	Closure/No Further Action Letter

LUST:

Global Id:	T0605900080
Status:	Open - Case Begin Date

CHEVRON STATION 9 6287 (Continued) **1000686240**

Status Date:	07/09/1986
Global Id:	T0605900080
Status:	Completed - Case Closed
Status Date:	04/24/2003

LUST REG 8:

Name:	CHEVRON #9-6287
Address:	11971 VALLEY VIEW
City:	GARDEN GROVE
Region:	8
County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083000103T
Local Case Num:	86UT110
Case Type:	Other ground water affected
Substance:	12035,800661
Qty Leaked:	0
Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Close Tank
Leak Cause:	Unknown
Leak Source:	Unknown
Global ID:	T0605900080
How Stopped Date:	9/9/9999
Enter Date:	Not reported
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	7/9/1986
Enforcement Date:	Not reported
Close Date:	4/24/2003
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	Not reported
GW Qualifies:	=
Soil Qualifies:	=
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.788725
Longitude:	-118.0285303
MTBE Date:	9/11/2001
Max MTBE GW:	476
MTBE Concentration:	0
Max MTBE Soil:	64
MTBE Fuel:	0
MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected
MTBE Class:	*

CHEVRON STATION 9 6287 (Continued) **1000686240**

Staff:	TME
Staff Initials:	SS
Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary:	Not reported

ORANGE CO. LUST:

Name:	CHEVRON #9-6287
Address:	11971 VALLEY VIEW ST
City,State,Zip:	GARDEN GROVE, CA 92845-1257
Region:	ORANGE
Facility Id:	86UT110
Current Status:	Closed
Type of Closure:	Closure certification issued
Released Substance:	Not reported
Date Closed:	04/24/2003
File Location:	Local Agency

CORTESE:

Name:	CHEVRON #9-6287
Address:	11971 VALLEY VIEW
City,State,Zip:	GARDEN GROVE, CA 92645
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0605900080
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

CERS:

Name:	CHEVRON #9-6287
Address:	11971 VALLEY VIEW
City,State,Zip:	GARDEN GROVE, CA 92645
Site ID:	644211
CERS ID:	T0605900080
CERS Description:	Leaking Underground Storage Tank Cleanup Site

CHEVRON STATION 9 6287 (Continued) **1000686240**

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	MIGUEL OVIEDO - SANTA ANA RWQCB (REGION 8)
Entity Title:	Not reported
Affiliation Address:	3737 Main Street, Suite 500
Affiliation City:	RIVERSIDE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	9517823238,

K43 **H&S ENERGY PRODUCTS LLC #2004** **UST** **U003975958**
SE **11971 VALLEY VIEW ST** **N/A**
1/8-1/4 **GARDEN GROVE, CA 92845**
0.203 mi.
1070 ft. **Site 9 of 36 in cluster K**

Relative:
Higher
Actual:
33 ft.

ORANGE CO. UST:

Name:	H&S ENERGY PRODUCTS LLC #2004
Address:	11971 VALLEY VIEW ST
City,State,Zip:	GARDEN GROVE, Ca 92845-1257
Facility ID:	FA0024104
Notes:	Not reported

K44 **CREON ONE HOUR PHOTO AND STUDIO** **RCRA-SQG** **1000265496**
ESE **11873 VALLEY VIEW ST** **FINDS** **CAD981688583**
1/8-1/4 **GARDEN GROVE, CA 92845** **ECHO**
0.205 mi.
1081 ft. **Site 10 of 36 in cluster K**

Relative:
Higher
Actual:
33 ft.

RCRA Listings:

Date Form Received by Agency:	19920227
Handler Name:	Creon One Hour Photo And Studio
Handler Address:	11873 VALLEY VIEW ST
Handler City,State,Zip:	GARDEN GROVE, CA 92845
EPA ID:	CAD981688583
Contact Name:	KIM CHUN
Contact Address:	11873 VALLEY VIEW ST
Contact City,State,Zip:	GARDEN GROVE, CA 92645
Contact Telephone:	714-373-1245
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Other
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Ca
State District:	4
Mailing Address:	11873 VALLEY VIEW ST
Mailing City,State,Zip:	GARDEN GROVE, CA 92845
Owner Name:	Creon One Hour Photo And Studio

CREON ONE HOUR PHOTO AND STUDIO (Continued) **1000265496**

Owner Type:	Private
Operator Name:	Not Required
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CREON ONE HOUR PHOTO AND STUDIO
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11873 VALLEY VIEW ST
Owner/Operator City,State,Zip:	GARDEN GROVE, CA 92645
Owner/Operator Telephone:	714-373-1245
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

CREON ONE HOUR PHOTO AND STUDIO (Continued) **1000265496**

Owner/Operator Indicator: Operator
Owner/Operator Name: NOT REQUIRED
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19920227
Handler Name: CREON ONE HOUR PHOTO AND STUDIO
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Ca
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110006474109

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
The Resource Conservation and Recovery Act Information System (RCRAInfo) is EPA's comprehensive information system in support of the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. It tracks many types of information about generators, transporters, treaters, storers, and disposers of hazardous waste.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000265496
Registry ID: 110006474109
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110006474109

CREON ONE HOUR PHOTO AND STUDIO (Continued) **1000265496**

Name:	CREON ONE HOUR PHOTO AND STUDIO
Address:	11873 VALLEY VIEW ST
City,State,Zip:	GARDEN GROVE, CA 92845

K45 SE 1/8-1/4 0.205 mi. 1083 ft. | **SPARKLING CLEANERS** | **DRYCLEANERS** | **S121694103**
11875 VALLEY VIEW ST # A | **N/A**
GARDEN GROVE, CA 92845

Site 11 of 36 in cluster K

Relative: Higher

Actual: 33 ft.

DRYCLEAN SOUTH COAST:

Name:	SPARKLING CLEANERS
Address:	11875 VALLEY VIEW ST # A
City,State,Zip:	GARDEN GROVE, CA 92845
Facility ID:	115664
Application Number:	340506
Permit Number:	F14217
Status:	Active
Representative Name:	JOON HYUK AHN
Representative Telephone:	714 8939696
Permit Status:	INACTIVE
BCAT Number:	000601
BCAT Description:	DRY CLEANING, DRY-TO-DRY NON-VENT, PERC
CCAT Number:	04
CCAT Description:	VAPOR RECOVERY UNIT COMPRESS & CONDENSE
UTM East:	404.76098633
UTM North:	3739.1699219
Application Date:	05/06/1998
PO Issue Date:	06/05/1998
NAICS Code:	812320
SIC Code:	7216

Name:	SPARKLING CLEANERS
Address:	11875 VALLEY VIEW ST # A
City,State,Zip:	GARDEN GROVE, CA 92845
Facility ID:	115664
Application Number:	453083
Permit Number:	F80721
Status:	Active
Representative Name:	JOON HYUK AHN
Representative Telephone:	714 8939696
Permit Status:	INACTIVE
BCAT Number:	000233
BCAT Description:	DRY CLEANING EQUIP PETROLEUM SOLVENT
CCAT Number:	Not reported
CCAT Description:	Not reported
UTM East:	404.76098633
UTM North:	3739.1699219
Application Date:	02/01/2006
PO Issue Date:	02/15/2006
NAICS Code:	812320
SIC Code:	7216

K46 SE 1/8-1/4 0.205 mi. 1083 ft. | **CLENET CLEANERS**
11875 VALLEY VIEW ST SUITE A
GARDEN GROVE, CA 92845

RCRA NonGen / NLR | **1024745759**
CAC002965530

Site 12 of 36 in cluster K

Relative: Higher

Actual: 33 ft.

RCRA Listings:

Date Form Received by Agency:	20180608
Handler Name:	Clenet Cleaners
Handler Address:	11875 VALLEY VIEW ST SUITE A
Handler City,State,Zip:	GARDEN GROVE, CA 92845
EPA ID:	CAC002965530
Contact Name:	OSCAR SAGASTIZADO
Contact Address:	11875 VALLEY VIEW ST SUITE A
Contact City,State,Zip:	GARDEN GROVE, CA 92845
Contact Telephone:	714-893-9696
Contact Fax:	Not reported
Contact Email:	OSCAR@PLASTICOLORINC.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	11875 VALLEY VIEW ST SUITE A
Mailing City,State,Zip:	GARDEN GROVE, CA 92845
Owner Name:	Oscar Sagastizado
Owner Type:	Other
Operator Name:	Oscar Sagastizado
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No

CLENET CLEANERS (Continued) **1024745759**

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180831
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: OSCAR SAGASTIZADO	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11875 VALLEY VIEW ST SUITE A
Owner/Operator City,State,Zip:	GARDEN GROVE, CA 92845
Owner/Operator Telephone:	714-893-9696
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: OSCAR SAGASTIZADO	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11875 VALLEY VIEW ST SUITE A
Owner/Operator City,State,Zip:	GARDEN GROVE, CA 92845
Owner/Operator Telephone:	714-893-9696
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20180608
Handler Name: CLENET CLEANERS	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

CLENET CLEANERS (Continued) **1024745759**

List of NAICS Codes and Descriptions:
NAICS Code: 812990
NAICS Description: ALL OTHER PERSONAL SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

I47 **TERESA COOK** **RCRA NonGen / NLR** **1027693864**
SSE **12048 STONEGATE LN** **CAC003236555**
1/8-1/4 **GARDEN GROVE, CA 92845**
0.206 mi.
1087 ft. **Site 3 of 3 in cluster I**

Relative:
Higher

Actual:
32 ft.

RCRA Listings:

Date Form Received by Agency:	20230609
Handler Name:	Teresa Cook
Handler Address:	12048 STONEGATE LN
Handler City,State,Zip:	GARDEN GROVE, CA 92845
EPA ID:	CAC003236555
Contact Name:	TERESA COOK
Contact Address:	12048 STONEGATE LN
Contact City,State,Zip:	GARDEN GROVE, CA 92845
Contact Telephone:	714-892-5645
Contact Fax:	Not reported
Contact Email:	ELIZABETHS@PWSEI.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	12048 STONEGATE LN
Mailing City,State,Zip:	GARDEN GROVE, CA 92845
Owner Name:	Teresa Cook
Owner Type:	Other
Operator Name:	Teresa Cook
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No

TERESA COOK (Continued) **1027693864**

Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20230613
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: TERESA COOK	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12048 STONEGATE LN
Owner/Operator City,State,Zip:	GARDEN GROVE, CA 92845
Owner/Operator Telephone:	714-892-5645
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: TERESA COOK	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12048 STONEGATE LN
Owner/Operator City,State,Zip:	GARDEN GROVE, CA 92845
Owner/Operator Telephone:	714-892-5645
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

TERESA COOK (Continued) **1027693864**

Historic Generators:

Receive Date:	20230609
Handler Name:	TERESA COOK
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

L48 **LEN WALLER** **RCRA NonGen / NLR** **1027070395**
WNW **5574 APIA DR** **CAC003141847**
1/8-1/4 **CYPRESS, CA 90630**
0.208 mi.
1098 ft. **Site 1 of 2 in cluster L**

Relative:
Higher

Actual:
32 ft.

RCRA Listings:

Date Form Received by Agency:	20211004
Handler Name:	Len Waller
Handler Address:	5574 APIA DR
Handler City,State,Zip:	CYPRESS, CA 90630
EPA ID:	CAC003141847
Contact Name:	LEN WALLER
Contact Address:	5574 APIA DR
Contact City,State,Zip:	CYPRESS, CA 90630
Contact Telephone:	480-678-2929
Contact Fax:	Not reported
Contact Email:	SCHEDULING@PWSEI.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	5574 APIA DR
Mailing City,State,Zip:	CYPRESS, CA 90630
Owner Name:	Len Waller

LEN WALLER (Continued) **1027070395**

Owner Type:	Other
Operator Name:	Len Waller
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20211004
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: LEN WALLER	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	5574 APIA DR
Owner/Operator City,State,Zip:	CYPRESS, CA 90630
Owner/Operator Telephone:	480-678-2929
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

LEN WALLER (Continued) **1027070395**

Owner/Operator Indicator: Owner
Owner/Operator Name: LEN WALLER
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 5574 APIA DR
Owner/Operator City,State,Zip: CYPRESS, CA 90630
Owner/Operator Telephone: 480-678-2929
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20211004
Handler Name: LEN WALLER
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

L49 **ROD PETKOVIC** **RCRA NonGen / NLR** **1024754273**
WNW **11693 BLACKMER ST** **CAC002974088**
1/8-1/4 **CYPRESS, CA 90630**
0.210 mi.
1108 ft. **Site 2 of 2 in cluster L**

Relative:
Higher

Actual:
33 ft.

RCRA Listings:
Date Form Received by Agency: 20180803
Handler Name: Rod Petkovic
Handler Address: 11693 BLACKMER ST
Handler City,State,Zip: CYPRESS, CA 90630
EPA ID: CAC002974088
Contact Name: ROD PETKOVIC
Contact Address: 11693 BLACKMER ST
Contact City,State,Zip: CYPRESS, CA 90630
Contact Telephone: 714-336-8033
Contact Fax: Not reported
Contact Email: JOE@SIRRIS.BIZ
Contact Title: Not reported

ROD PETKOVIC (Continued) **1024754273**

EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	11693 BLACKMER ST
Mailing City,State,Zip:	CYPRESS, CA 90630
Owner Name:	Rod Petkovic
Owner Type:	Other
Operator Name:	Rod Petkovic
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180831
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

ROD PETKOVIC (Continued) **1024754273**

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: ROD PETKOVIC	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11693 BLACKMER ST
Owner/Operator City,State,Zip:	CYPRESS, CA 90630
Owner/Operator Telephone:	714-336-8033
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: ROD PETKOVIC	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11693 BLACKMER ST
Owner/Operator City,State,Zip:	CYPRESS, CA 90630
Owner/Operator Telephone:	714-336-8033
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20180803
Handler Name: ROD PETKOVIC	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

50 NW 1/8-1/4 0.214 mi. 1129 ft. | **ABE DEL ROSARIO**
11625 LAKIA DR
CYPRESS, CA 90630 | **RCRA NonGen / NLR** | **1025865287**
CAC003046148

Relative: Higher

Actual: 33 ft.

RCRA Listings:

Date Form Received by Agency:	20191206
Handler Name:	Abe Del Rosario
Handler Address:	11625 LAKIA DR
Handler City,State,Zip:	CYPRESS, CA 90630-5523
EPA ID:	CAC003046148
Contact Name:	ABE DEL ROSARIO
Contact Address:	11625 LAKIA DR
Contact City,State,Zip:	CYPRESS, CA 90630-5523
Contact Telephone:	714-609-6056
Contact Fax:	Not reported
Contact Email:	NANCYRUIZ@ALLIANCE-ENVIRO.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	11625 LAKIA DR
Mailing City,State,Zip:	CYPRESS, CA 90630-5523
Owner Name:	Abe Del Rosario
Owner Type:	Other
Operator Name:	Abe Del Rosario
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No

ABE DEL ROSARIO (Continued) **1025865287**

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20191206
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: ABE DEL ROSARIO	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11625 LAKIA DR
Owner/Operator City,State,Zip:	CYPRESS, CA 90630-5523
Owner/Operator Telephone:	714-609-6056
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: ABE DEL ROSARIO	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11625 LAKIA DR
Owner/Operator City,State,Zip:	CYPRESS, CA 90630-5523
Owner/Operator Telephone:	714-609-6056
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20191206
Handler Name: ABE DEL ROSARIO	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

ABE DEL ROSARIO (Continued) **1025865287**

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

J51 **ROBERT A FERRARO** **RCRA NonGen / NLR** **1026819959**
North **11562 RABAUL DR** **CAC003132817**
1/8-1/4 **CYPRESS, CA 90630**
0.215 mi.
1133 ft. **Site 2 of 6 in cluster J**

Relative:
Higher

Actual:
35 ft.

RCRA Listings:

Date Form Received by Agency:	20210804
Handler Name:	Robert A Ferraro
Handler Address:	11562 RABAUL DR
Handler City,State,Zip:	CYPRESS, CA 90630
EPA ID:	CAC003132817
Contact Name:	ROBERT FERRARO
Contact Address:	11562 RABAUL DR
Contact City,State,Zip:	CYPRESS, CA 90630
Contact Telephone:	714-322-3992
Contact Fax:	Not reported
Contact Email:	FAVILA@BURNS-ENVIRO.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	11562 RABAUL DR
Mailing City,State,Zip:	CYPRESS, CA 90630
Owner Name:	Robert A Ferraro
Owner Type:	Other
Operator Name:	Robert Ferraro
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No

ROBERT A FERRARO (Continued) **1026819959**

Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210809
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: ROBERT FERRARO	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11562 RABAUL DR
Owner/Operator City,State,Zip:	CYPRESS, CA 90630
Owner/Operator Telephone:	714-322-3992
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: ROBERT A FERRARO	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11562 RABAUL DR
Owner/Operator City,State,Zip:	CYPRESS, CA 90630
Owner/Operator Telephone:	714-322-3992
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

ROBERT A FERRARO (Continued) **1026819959**

Historic Generators:

Receive Date:	20210804
Handler Name:	ROBERT A FERRARO
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

J52 **ROBERT A FERRARO** **RCRA NonGen / NLR** **1026819964**
North **11562 RABAUL DR** **CAC003132823**
1/8-1/4 **CYPRESS, CA 90630**
0.215 mi.
1133 ft. **Site 3 of 6 in cluster J**

Relative:
Higher

Actual:
35 ft.

RCRA Listings:

Date Form Received by Agency:	20210804
Handler Name:	Robert A Ferraro
Handler Address:	11562 RABAUL DR
Handler City,State,Zip:	CYPRESS, CA 90630
EPA ID:	CAC003132823
Contact Name:	ROBERT A FERRARO
Contact Address:	11562 RABAUL DR
Contact City,State,Zip:	CYPRESS, CA 90630
Contact Telephone:	714-322-3992
Contact Fax:	Not reported
Contact Email:	FAVILA@BURNS-ENVIRO.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	11562 RABAUL DR
Mailing City,State,Zip:	CYPRESS, CA 90630
Owner Name:	Robert A Ferraro

ROBERT A FERRARO (Continued) **1026819964**

Owner Type:	Other
Operator Name:	Robert A Ferraro
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210809
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: ROBERT A FERRARO	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11562 RABAUL DR
Owner/Operator City,State,Zip:	CYPRESS, CA 90630
Owner/Operator Telephone:	714-322-3992
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

ROBERT A FERRARO (Continued) **1026819964**

Owner/Operator Indicator: Owner
Owner/Operator Name: ROBERT A FERRARO
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 11562 RABAUL DR
Owner/Operator City,State,Zip: CYPRESS, CA 90630
Owner/Operator Telephone: 714-322-3992
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20210804
Handler Name: ROBERT A FERRARO
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

J53 **SUZANNE CHEESEMAN** **RCRA NonGen / NLR** **1024754909**
NNE **11565 JAVA COURT** **CAC002974727**
1/8-1/4 **CYPRESS, CA 90630**
0.216 mi.
1141 ft. **Site 4 of 6 in cluster J**

Relative:
Higher

Actual:
35 ft.

RCRA Listings:
Date Form Received by Agency: 20180808
Handler Name: Suzanne Cheeseman
Handler Address: 11565 JAVA COURT
Handler City,State,Zip: CYPRESS, CA 90630
EPA ID: CAC002974727
Contact Name: SUZANNE CHEESEMAN
Contact Address: 11565 JAVA COURT
Contact City,State,Zip: CYPRESS, CA 90630
Contact Telephone: 714-897-3629
Contact Fax: Not reported
Contact Email: OCABATEMENT@GMAIL.COM
Contact Title: Not reported

SUZANNE CHEESEMAN (Continued) **1024754909**

EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	11565 JAVA COURT
Mailing City,State,Zip:	CYPRESS, CA 90630
Owner Name:	Suzanne Cheeseman
Owner Type:	Other
Operator Name:	Suzanne Cheeseman
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180831
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

SUZANNE CHEESEMAN (Continued) **1024754909**

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: SUZANNE CHEESEMAN	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11565 JAVA COURT
Owner/Operator City,State,Zip:	CYPRESS, CA 90630
Owner/Operator Telephone:	714-897-3629
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: SUZANNE CHEESEMAN	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11565 JAVA COURT
Owner/Operator City,State,Zip:	CYPRESS, CA 90630
Owner/Operator Telephone:	714-897-3629
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20180808
Handler Name: SUZANNE CHEESEMAN	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

K54 SE 1/8-1/4 0.219 mi. 1158 ft. | **RICHARD'S CYCLERY**
11943 VALLEY VIEW ST
GARDEN GROVE, CA 92845 | **RCRA NonGen / NLR** | **1027216581**
CAL000171384

Site 13 of 36 in cluster K

Relative: Higher

Actual: 32 ft.

RCRA Listings:

Date Form Received by Agency:	20220421
Handler Name:	Richard'S Cyclery
Handler Address:	VALLEY VIEW ST
Handler City,State,Zip:	GARDEN GROVE, CA 92845
EPA ID:	CAL000171384
Contact Name:	RICHARD SPARKMAN
Contact Address:	VALLEY VIEW ST
Contact City,State,Zip:	GARDEN GROVE, CA 92845
Contact Telephone:	714-379-2717
Contact Fax:	Not reported
Contact Email:	RICHARDSPARKMAN@GMAIL.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	VALLEY VIEW ST
Mailing City,State,Zip:	GARDEN GROVE, CA 92845
Owner Name:	Not reported
Owner Type:	Not reported
Operator Name:	Richard Sparkman
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No

RICHARD'S CYCLERY (Continued) **1027216581**

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20220422
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: RICHARD SPARKMAN	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11943 VALLEY VIEW ST
Owner/Operator City,State,Zip:	GARDEN GROVE, CA 92845
Owner/Operator Telephone:	714-379-2717
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20220421
Handler Name: RICHARD'S CYCLERY	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

55 WSW 1/8-1/4 0.221 mi. 1167 ft. | **ARTHUR LONG**
11941 BLACKMER ST
GARDEN GROVE, CA 92845 | **RCRA NonGen / NLR** | **1025856616**
CAC003036946

Relative: Lower

Actual: 30 ft.

RCRA Listings:

Date Form Received by Agency:	20191003
Handler Name:	Arthur Long
Handler Address:	11941 BLACKMER ST
Handler City,State,Zip:	GARDEN GROVE, CA 92845
EPA ID:	CAC003036946
Contact Name:	ARTHUR LONG
Contact Address:	11941 BLACKMER ST
Contact City,State,Zip:	GARDEN GROVE, CA 92845
Contact Telephone:	714-290-3521
Contact Fax:	Not reported
Contact Email:	ANAB@PWSEI.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	11941 BLACKMER ST
Mailing City,State,Zip:	GARDEN GROVE, CA 92845
Owner Name:	Arthur Long
Owner Type:	Other
Operator Name:	Arthur Long
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No

ARTHUR LONG (Continued) **1025856616**

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20191004
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: ARTHUR LONG	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11941 BLACKMER ST
Owner/Operator City,State,Zip:	GARDEN GROVE, CA 92845
Owner/Operator Telephone:	714-290-3521
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: ARTHUR LONG	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11941 BLACKMER ST
Owner/Operator City,State,Zip:	GARDEN GROVE, CA 92845
Owner/Operator Telephone:	714-290-3521
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20191003
Handler Name: ARTHUR LONG	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

ARTHUR LONG (Continued) **1025856616**

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

K56 **RITE AID #5743** **RCRA-SQG** **1000904961**
SE **11961 VALLEY VIEW STREET** **CA0000228387**
1/8-1/4 **GARDEN GROVE, CA 92645**
0.222 mi.
1173 ft. **Site 14 of 36 in cluster K**

Relative:
Higher

Actual:
32 ft.

RCRA Listings:

Date Form Received by Agency:	20221219
Handler Name:	Rite Aid #5743
Handler Address:	VALLEY VIEW STREET
Handler City,State,Zip:	GARDEN GROVE, CA 92645-0000
EPA ID:	CA0000228387
Contact Name:	JOSEPH A CHEST
Contact Address:	PO BOX 3165
Contact City,State,Zip:	HARRISBURG, PA 17105
Contact Telephone:	717-975-8643
Contact Fax:	717-972-3989
Contact Email:	EHS@RITEAID.COM
Contact Title:	MANAGER, EVIORMENTAL HEALTH SERVICE
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	PO BOX 3165
Mailing City,State,Zip:	HARRISBURG, PA 17105
Owner Name:	Domain Corporation
Owner Type:	Private
Operator Name:	Thrifty Payless Inc
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No

RITE AID #5743 (Continued) **1000904961**

Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20221220
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2021

Click Here for Biennial Reporting System Data:
Year: 2019

Click Here for Biennial Reporting System Data:
Year: 2017

Click Here for Biennial Reporting System Data:
Year: 2015

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D001
Waste Description: Ignitable Waste

Waste Code: D002
Waste Description: Corrosive Waste

Waste Code: D005
Waste Description: Barium

Waste Code: D006
Waste Description: Cadmium

RITE AID #5743 (Continued) **1000904961**

Waste Code: D007
Waste Description: Chromium

Waste Code: D008
Waste Description: Lead

Waste Code: D009
Waste Description: Mercury

Waste Code: D010
Waste Description: Selenium

Waste Code: D011
Waste Description: Silver

Waste Code: D016
Waste Description: 2,4-D (2,4-Dichlorophenoxyacetic Acid)

Waste Code: D024
Waste Description: M-Cresol

Waste Code: D026
Waste Description: Cresol

Waste Code: D035
Waste Description: Methyl Ethyl Ketone

Waste Code: P001
Waste Description: 2h-1-Benzopyran-2-One, 4-Hydroxy-3-(3-Oxo-1-Phenylbutyl)-, & Salts, When Present At Concentrations Greater Than 0.3% (Or) Warfarin, & Salts, When Present At Concentrations Greater Than 0.3%

Waste Code: P075
Waste Description: Nicotine, & Salts (Or) Pyridine, 3-(1-Methyl-2-Pyrrolidinyl)-,(S)-, & Salts

Waste Code: U002
Waste Description: 2-Propanone (I) (Or) Acetone (I)

Waste Code: U080
Waste Description: Methane, Dichloro- (Or) Methylene Chloride

Waste Code: U160
Waste Description: 2-Butanone, Peroxide (R,T) (Or) Methyl Ethyl Ketone Peroxide (R,T)

Waste Code: U165
Waste Description: Naphthalene

Waste Code: U188
Waste Description: Phenol

Waste Code: U201
Waste Description: 1,3-Benzenediol (Or) Resorcinol

Waste Code: U279
Waste Description: U279

RITE AID #5743 (Continued) **1000904961**

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: RITE AID CORP	
Legal Status:	Private
Date Became Current:	19620901
Date Ended Current:	Not reported
Owner/Operator Address:	30 HUNTER LN
Owner/Operator City,State,Zip:	CAMP HILL, PA 17011
Owner/Operator Telephone:	717-730-8225
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: THRIFTY PAYLESS INC	
Legal Status:	Private
Date Became Current:	19970325
Date Ended Current:	Not reported
Owner/Operator Address:	30 HUNTER LANE
Owner/Operator City,State,Zip:	CAMP HILL, PA 17011
Owner/Operator Telephone:	717-761-2633
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	EHS@RITEAID.COM
Owner/Operator Indicator:	Operator
Owner/Operator Name: THRIFTY PAYLESS INC	
Legal Status:	Private
Date Became Current:	19970325
Date Ended Current:	Not reported
Owner/Operator Address:	30 HUNTER LANE
Owner/Operator City,State,Zip:	CAMP HILL, PA 17011
Owner/Operator Telephone:	717-761-2633
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	EHS@RITEAID.COM
Owner/Operator Indicator:	Owner
Owner/Operator Name: DOMAIN CORP	
Legal Status:	Private
Date Became Current:	19630829
Date Ended Current:	Not reported
Owner/Operator Address:	2716 OCEAN PARK BLVD
Owner/Operator City,State,Zip:	SANTA MONICA, CA 90405
Owner/Operator Telephone:	424-214-2151
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: THRIFTY PAYLESS INC	
Legal Status:	Private
Date Became Current:	19970325
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported

RITE AID #5743 (Continued) **1000904961**

Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: THRIFTY PAYLESS INC	
Legal Status:	Private
Date Became Current:	19970325
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: DOMAIN CORPORATION	
Legal Status:	Private
Date Became Current:	19630829
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 4005; 2716 OCEAN PARK BLVD
Owner/Operator City,State,Zip:	SANTA MONICA, CA 90405
Owner/Operator Telephone:	424-214-2151
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	EHS@RITEAID.COM
Owner/Operator Indicator:	Operator
Owner/Operator Name: THRIFTY PAYLESS INC	
Legal Status:	Private
Date Became Current:	19970325
Date Ended Current:	Not reported
Owner/Operator Address:	30 HUNTER LANE
Owner/Operator City,State,Zip:	CAMP HILL, PA 17011
Owner/Operator Telephone:	717-761-2633
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	EHS@RITEAID.COM
Owner/Operator Indicator:	Owner
Owner/Operator Name: DOMAIN CORPORATION	
Legal Status:	Private
Date Became Current:	19630829
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 4005; 2716 OCEAN PARK BLVD
Owner/Operator City,State,Zip:	SANTA MONICA, CA 90405
Owner/Operator Telephone:	424-214-2151
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	EHS@RITEAID.COM
Owner/Operator Indicator:	Owner
Owner/Operator Name: RITE AID	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported

RITE AID #5743 (Continued) **1000904961**

Owner/Operator Address:	30 HUNTER LN
Owner/Operator City,State,Zip:	CAMP HILL, PA 17011
Owner/Operator Telephone:	717-761-2633
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: THRIFTY PAYLESS INC	
Legal Status:	Private
Date Became Current:	19970325
Date Ended Current:	Not reported
Owner/Operator Address:	30 HUNTER LANE
Owner/Operator City,State,Zip:	CAMP HILL, PA 17011
Owner/Operator Telephone:	717-761-2633
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	EHS@RITEAID.COM
Owner/Operator Indicator:	Owner
Owner/Operator Name: DOMAIN CORPORATION	
Legal Status:	Private
Date Became Current:	19630829
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 4005; 2716 OCEAN PARK BLVD
Owner/Operator City,State,Zip:	SANTA MONICA, CA 90405
Owner/Operator Telephone:	424-214-2151
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	EHS@RITEAID.COM
Owner/Operator Indicator:	Owner
Owner/Operator Name: DOMAIN CORPORATION	
Legal Status:	Private
Date Became Current:	19630829
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 4005; 2716 OCEAN PARK BLVD
Owner/Operator City,State,Zip:	SANTA MONICA, CA 90405
Owner/Operator Telephone:	424-214-2151
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	EHS@RITEAID.COM
Owner/Operator Indicator:	Owner
Owner/Operator Name: DOMAIN CORPORATION	
Legal Status:	Private
Date Became Current:	19630829
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 4005
Owner/Operator City,State,Zip:	SANTA MONICA, CA 90405
Owner/Operator Telephone:	424-214-2151
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: RITE AID CORP	

RITE AID #5743 (Continued) **1000904961**

Legal Status:	Private
Date Became Current:	19620901
Date Ended Current:	Not reported
Owner/Operator Address:	30 HUNTER LN
Owner/Operator City,State,Zip:	CAMP HILL, PA 17011
Owner/Operator Telephone:	717-730-8225
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: DOMAIN CORPORATION	
Legal Status:	Private
Date Became Current:	19630829
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 4005; 2716 OCEAN PARK BLVD
Owner/Operator City,State,Zip:	SANTA MONICA, CA 90405
Owner/Operator Telephone:	424-214-2151
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	EHS@RITEAID.COM
Owner/Operator Indicator:	Operator
Owner/Operator Name: THRIFTY PAYLESS INC	
Legal Status:	Private
Date Became Current:	19970325
Date Ended Current:	Not reported
Owner/Operator Address:	30 HUNTER LANE
Owner/Operator City,State,Zip:	CAMP HILL, PA 17011
Owner/Operator Telephone:	717-761-2633
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	EHS@RITEAID.COM
Owner/Operator Indicator:	Owner
Owner/Operator Name: DOMAIN CORPORATION	
Legal Status:	Private
Date Became Current:	19630829
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 4005; 2716 OCEAN PARK BLVD
Owner/Operator City,State,Zip:	SANTA MONICA, CA 90405
Owner/Operator Telephone:	424-214-2151
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	EHS@RITEAID.COM
Owner/Operator Indicator:	Operator
Owner/Operator Name: THRIFTY PAYLESS INC	
Legal Status:	Private
Date Became Current:	19970325
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 3165
Owner/Operator City,State,Zip:	HARRISBURG, PA 17105
Owner/Operator Telephone:	717-761-2633
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	EHS@RITEAID.COM

RITE AID #5743 (Continued) **1000904961**

Historic Generators:

Receive Date:	20170414
Handler Name: RITE AID #5743	
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20180202
Handler Name: RITE AID #5743	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

Receive Date:	20200213
Handler Name: RITE AID #5743	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

Receive Date:	20220216
Handler Name: RITE AID #5743	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

Receive Date:	19970725
Handler Name: RITE AID NO 5743	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported

RITE AID #5743 (Continued) **1000904961**

Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20100907
Handler Name: RITE AID 5743	
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20140805
Handler Name: RITE AID NO 5743	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20190429
Handler Name: RITE AID #5743	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

Receive Date:	20220317
Handler Name: RITE AID #5743	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No

RITE AID #5743 (Continued) **1000904961**

Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20221219
Handler Name: RITE AID #5743
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 44611
NAICS Description: PHARMACIES AND DRUG STORES

NAICS Code: 446110
NAICS Description: PHARMACIES AND DRUG STORES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

K57 **RITE AID #5743** **CERS HAZ WASTE** **S124446882**
SE **11961 VALLEY VIEW ST** **N/A**
1/8-1/4 **GARDEN GROVE, CA 92845**
0.222 mi.
1173 ft. **Site 15 of 36 in cluster K**

Relative: Higher
Actual: 32 ft.

CERS HAZ WASTE:
Name: RITE AID #5743
Address: 11961 VALLEY VIEW ST
City,State,Zip: GARDEN GROVE, CA 92845
Site ID: 565391
CERS ID: 10442083
CERS Description: Hazardous Waste Generator

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-21-2022
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site to conduct routine Hazardous Waste Inspection. Consent to enter, inspect and take any necessary photos was given by Pricing Coordinator, Judy Newberry. Observed facility, hazardous waste storage area, perimeter, and dumpster area. Hazardous waste containers were stored closed and properly labeled. No indication of hazardous waste spillage, runoff, or illegal disposal was observed. Manifests, emergency response plan, and training records were reviewed. No

RITE AID #5743 (Continued) **S124446882**

hazardous waste violations were observed on this date. Emailed a copy of this report to rsksafe@riteaid.com and ehs@riteaid.com.

Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-29-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed facility's CERS HMBEP Submission. Hazardous Materials Inventory is under reportable thresholds. Submission is not applicable.

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-26-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed and accepted by M Sutphin facility is below reportable quantities of hazardous materials ER plan dated 1-4-16 Training documents dated 7-8-16 ..

Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-11-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Rite Aid # 5743 On site to conduct a hazardous waste inspection. The consent to enter, inspect and take pictures was given by the Assistant Manager, Alex Goachet at 4:45 pm. Manifest were available and reviewed. Generator did not produce over 1Kg or 2.2 pounds of pharmaceutical waste (verified with hazardous waste tracking system). Annual training is being conducted through the internal CBT system for hazardous waste management. All containers were closed and labeled inside the warehouse and inside the pharmacy. Walked the perimeter of the site, and there were no hazardous waste spills or discharges observed during this inspection. Emergency information was posted at the reception area. The dumpster in the back was checked and it was locked and no hazardous waste was observed. Please contact Shruthi Sill at ssill@ochca.com with regards to any questions.

Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-22-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: CERS review - facility notified that HM is N/A. Notified facility to resubmit Business Activities page w/ HM box unchecked

RITE AID #5743 (Continued) **S124446882**

Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-31-2023
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site to conduct a routine hazardous waste inspection. Consent to enter and inspect was granted by Antoine Hayes. Observed the facility, perimeter, trash enclosure, and hazardous waste storage area. The following hazardous wastes were observed: - Retail wastes (toxic, corrosive, flammable, oxidizer) - Pharmaceutical wastes All containers of hazardous waste were stored closed and properly labeled. Manifests and emergency response plan were available for review. No hazardous waste was observed in the dumpster. During this visit, no violations were observed. A copy of this report was emailed to: ehs@riteaid.com and antoine.j.hayes@riteaid.com
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-11-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-13-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Spoke to Tom the Pharmacy manager.
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-15-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Business activity form Reviewed and accepted by M Sutphin form indicated hazardous waste only
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-22-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Mark Sutphin at site for routine hazardous waste inspection . Permission to enter, inspect, and take photographs granted by Omar Marcias the store manager Facility has hazardous waste properly stored

RITE AID #5743 (Continued) **S124446882**

and labeled in the back store room in 5 totes Corrosive acids, bases, oxidizer, flammables, and toxics are stored in separate totes. A container for pharmacy waste was also stored in the pharmacy this date Hazardous waste storage containers were properly labeled , dated, and stored closed. Facility has a waste identification plan at site that lists hazardous waste categories Hazardous waste manifests reviewed at site Emergency plan kept at site Facility EPA ID# Cao000226387

Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-13-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: CERS review - still reporting HM below thresholds
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 12-18-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed and accepted by M Sutphin 94 gallons hazardous liquid llisted . site map and emergency plan appear correct
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS,

Coordinates:
Site ID: 565391
Facility Name: Rite Aid #5743
Env Int Type Code: HWG
Program ID: 10442083
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 33.788920
Longitude: -118.028620

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Orange County Env Health
Entity Title: Not reported
Affiliation Address: 1241 East Dyer RoadSuite 120
Affiliation City: Santa Ana
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92705-5611
Affiliation Phone: (714) 433-6406,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: P.O. Box 3165, Attn: EHS
Affiliation City: Harrisburg

RITE AID #5743 (Continued) **S124446882**

Affiliation State:	PA
Affiliation Country:	Not reported
Affiliation Zip:	17105
Affiliation Phone:	,

Affiliation Type Desc:	Operator
Entity Name:	Rite Aid #5743
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(714) 892-1457,

Affiliation Type Desc:	Parent Corporation
Entity Name:	RITE AID CORPORATION
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Property Owner
Entity Name:	Domain Corporation
Entity Title:	Not reported
Affiliation Address:	2716 Ocean Park Blvd #3006
Affiliation City:	Santa Monica
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90405
Affiliation Phone:	(424) 214-2151,

Affiliation Type Desc:	Document Preparer
Entity Name:	Jordan Anderson
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Environmental Contact
Entity Name:	Joseph A. Chest
Entity Title:	Not reported
Affiliation Address:	P.O. Box 3165
Affiliation City:	Harrisburg
Affiliation State:	PA
Affiliation Country:	Not reported
Affiliation Zip:	17105
Affiliation Phone:	,

Affiliation Type Desc:	Identification Signer
Entity Name:	Joseph A. Chest

RITE AID #5743 (Continued) **S124446882**

Entity Title:	Manager, EHS
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Legal Owner
Entity Name:	Thrifty Payless, Inc.
Entity Title:	Not reported
Affiliation Address:	P.O. Box 3165
Affiliation City:	Harrisburg
Affiliation State:	PA
Affiliation Country:	United States
Affiliation Zip:	17105
Affiliation Phone:	(717) 761-2633,

K58 **BARNES & DELANEY GOODYEAR** **RCRA-SQG** **1000313705**
SE **12005 VALLEY VIEW ST** **FINDS** **CAD982047607**
1/8-1/4 **GARDEN GROVE, CA 92845** **ECHO**
0.224 mi.
1183 ft. **Site 16 of 36 in cluster K**

Relative:
Higher

Actual:
32 ft.

RCRA Listings:

Date Form Received by Agency:	19871005
Handler Name:	Barnes & Delaney Goodyear
Handler Address:	12005 VALLEY VIEW ST
Handler City,State,Zip:	GARDEN GROVE, CA 92845
EPA ID:	CAD982047607
Contact Name:	ENVIRONMENTAL MANAGER
Contact Address:	12005 VALLEY VIEW
Contact City,State,Zip:	GARDEN GROVE, CA 92645
Contact Telephone:	714-537-1060
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Other
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Ca
State District:	4
Mailing Address:	12005 VALLEY VIEW ST
Mailing City,State,Zip:	GARDEN GROVE, CA 92845
Owner Name:	Gary Morrison
Owner Type:	Private
Operator Name:	Not Required
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No

BARNES & DELANEY GOODYEAR (Continued) **1000313705**

Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: GARY MORRISON	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: NOT REQUIRED	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999

BARNES & DELANEY GOODYEAR (Continued) **1000313705**

Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19871005
Handler Name: BARNES & DELANEY GOODYEAR
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Ca
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110006476928

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
The Resource Conservation and Recovery Act Information System (RCRAInfo) is EPA's comprehensive information system in support of the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. It tracks many types of information about generators, transporters, treaters, storers, and disposers of hazardous waste.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000313705
Registry ID: 110006476928
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110006476928
Name: BARNES & DELANEY GOODYEAR
Address: 12005 VALLEY VIEW ST
City,State,Zip: GARDEN GROVE, CA 92845

K59 ESE 1/8-1/4 0.226 mi. 1194 ft. | **WALGREENS #6187**
11950 VALLEY VIEW ST
GARDEN GROVE, CA 92845 | **RCRA-VSQG** | **1016954273**
CAL000323212

Site 17 of 36 in cluster K

Relative: Higher

Actual: 33 ft.

RCRA Listings:

Date Form Received by Agency:	20160415
Handler Name:	Walgreens #6187
Handler Address:	VALLEY VIEW ST
Handler City,State,Zip:	GARDEN GROVE, CA 92845
EPA ID:	CAL000323212
Contact Name:	KARINA ROMERO
Contact Address:	GREYHAWK CT
Contact City,State,Zip:	CARLSBAD, CA 92010
Contact Telephone:	760-602-8700
Contact Fax:	760-918-4025
Contact Email:	REGULATORY@3ECOMPANY.COM
Contact Title:	BUSINESS SOLUTIONS SPECIALIST
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2015
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	GREYHAWK CT
Mailing City,State,Zip:	CARLSBAD, CA 92010
Owner Name:	Allied Farms Inc
Owner Type:	Private
Operator Name:	Walgreen Co.
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No

WALGREENS #6187 (Continued) **1016954273**

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20161104
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2015

Click Here for Biennial Reporting System Data:
Year: 2013

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D001
Waste Description: Ignitable Waste

Waste Code: D002
Waste Description: Corrosive Waste

Waste Code: D007
Waste Description: Chromium

Waste Code: D009
Waste Description: Mercury

Waste Code: D010
Waste Description: Selenium

Waste Code: D024
Waste Description: M-Cresol

Waste Code: P001
Waste Description: 2h-1-Benzopyran-2-One, 4-Hydroxy-3-(3-Oxo-1-Phenylbutyl)-, & Salts, When Present At Concentrations Greater Than 0.3% (Or) Warfarin, & Salts, When Present At Concentrations Greater Than 0.3%

Waste Code: P075
Waste Description: Nicotine, & Salts (Or) Pyridine, 3-(1-Methyl-2-Pyrrolidinyl)-,(S)-, & Salts

Waste Code: U034
Waste Description: Acetaldehyde, Trichloro- (Or) Chloral

Waste Code: U165

WALGREENS #6187 (Continued) **1016954273**

Waste Description: Naphthalene

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: ALLIED FARMS INC	
Legal Status:	Private
Date Became Current:	20090113
Date Ended Current:	Not reported
Owner/Operator Address:	2716 OCEAN PARK BLVD STE 3006
Owner/Operator City,State,Zip:	SANTA MONICA, CA 90405
Owner/Operator Telephone:	310-396-4514
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: WALGREEN CO	
Legal Status:	Private
Date Became Current:	20090113
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: ALLIED FARMS INC	
Legal Status:	Private
Date Became Current:	20020325
Date Ended Current:	Not reported
Owner/Operator Address:	2716 OCEAN PARK BLVD #3006
Owner/Operator City,State,Zip:	SANTA MONICA, CA 90405
Owner/Operator Telephone:	310-396-4514
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: WALGREEN CO.	
Legal Status:	Private
Date Became Current:	20020418
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20140301
Handler Name: WALGREENS #6187	
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	Not reported

WALGREENS #6187 (Continued) **1016954273**

Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:		20160415
Handler Name:	WALGREENS #6187	
Federal Waste Generator Description:		Conditionally Exempt Small Quantity Generator
State District Owner:		Not reported
Large Quantity Handler of Universal Waste:		No
Recognized Trader Importer:		No
Recognized Trader Exporter:		No
Spent Lead Acid Battery Importer:		No
Spent Lead Acid Battery Exporter:		No
Current Record:		Yes
Non Storage Recycler Activity:		Not reported
Electronic Manifest Broker:		Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	44611
NAICS Description:	PHARMACIES AND DRUG STORES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

K60 **WALGREENS #6187** **CERS HAZ WASTE** **S123625678**
ESE **11950 VALLEY VIEW ST** **HWTS** **N/A**
1/8-1/4 **GARDEN GROVE, CA 92010** **HAZNET**
0.226 mi.
1194 ft. **Site 18 of 36 in cluster K**

Relative: Higher

Actual: 33 ft.

CERS HAZ WASTE:

Name:	WALGREENS #6187
Address:	11950 VALLEY VIEW ST
City,State,Zip:	GARDEN GROVE, CA 92845
Site ID:	572695
CERS ID:	10474081
CERS Description:	Hazardous Waste Generator

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-21-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	No Hazardous Waste violations were observed during this inspection. A copy of this inspection report was sent to Cruz Sandoval at mgr.06187@store.walgreens.com and environmental contact, Regulatory@Verisk3E.com.
Eval Division:	Orange County Environmental Health

WALGREENS #6187 (Continued) **S123625678**

Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-15-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: CERS submittal reviewed and accepted by M Sutphin Facility reports no reportable quantities of hazardous materials only hazardous waste
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-31-2023
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site to conduct a routine hazardous waste inspection. Consent to enter and inspect was granted by Cruz Sandoval and Roger Gomez. Observed the facility, perimeter, trash enclosure, and hazardous waste storage area. The following hazardous wastes were observed: - Retail wastes - Pharmaceutical waste All containers of hazardous waste were stored closed and properly labeled. Manifests and emergency response plan were available for review. No hazardous waste was observed in the dumpster. During this visit, no violations were observed. A copy of this report was emailed to: Regulatory@3eco.com and Mgr.06187@store.walgreens.com
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-09-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: CERS submittal reviewed Facility only reports hazardous waste
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-09-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Mark Sutphin at site for routine hazardous waste generator inspection. Permission to enter and inspect granted by Cruz Sandoval. Facility has notified as a hazardous waste generator on CERS submittal 10474081. Facility has active EPA ID # CAR000253070. Hazardous wastes are properly stored and labeled in a tote system in the back room and in a waste storage container in the Pharmacy area. Facility has a waste identification plan at site that lists hazardous waste categories and proper storage and labeling. Manifests were available and reviewed at site. the most recent manifest was from Clean Earth and was dated 7-8-21 Facility does not have hazardous materials above reportable quantities. Facility in good order this date. Emergency plan at site. Employee safety training performed at site.
Eval Division: Orange County Environmental Health

WALGREENS #6187 (Continued) **S123625678**

Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-22-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Mark Sutphin at site for routine hazardous waste inspection . Permission to enter, inspect, and take photographs granted by Cruz Sandoval Facility has hazardous waste properly stored and labeled in the back store room In totes Two tote were also stored in the pharmacy this date. One for P listed pharmacy waste. Facility has a waste identification plan at site that lists six hazardous waste categories The hazardous waste was hauled about monthly Waste manifests and an emergency plan are kept at site Facility has submitted HMBP on CERS 1047081 but does not appear to have any chemicals at site that are above reportable quantities
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS,

Coordinates:
Site ID: 572695
Facility Name: Walgreens #6187
Env Int Type Code: HWG
Program ID: 10474081
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 33.789130
Longitude: -118.028380

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Orange County Env Health
Entity Title: Not reported
Affiliation Address: 1241 East Dyer RoadSuite 120
Affiliation City: Santa Ana
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92705-5611
Affiliation Phone: (714) 433-6406,

Affiliation Type Desc: Environmental Contact
Entity Name: 3E, Regulatory Department/Walgreen Co.
Entity Title: Not reported
Affiliation Address: 3207 Grey Hawk Court, Suite 200
Affiliation City: Carlsbad
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92010
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 3E, Regulatory Dept./Walgreen Co, 3207 Grey Hawk Court, Suite 200

WALGREENS #6187 (Continued) **S123625678**

Affiliation City:	Carlsbad
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92010
Affiliation Phone:	,

Affiliation Type Desc:	Operator
Entity Name:	Walgreen Co.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(847) 914-2264,

Affiliation Type Desc:	Legal Owner
Entity Name:	Walgreen Co.
Entity Title:	Not reported
Affiliation Address:	200 Wilmot Road
Affiliation City:	Deerfield
Affiliation State:	IL
Affiliation Country:	United States
Affiliation Zip:	60015
Affiliation Phone:	(847) 914-2264,

Affiliation Type Desc:	Document Preparer
Entity Name:	Karina Romero, On behalf of Walgreen Co.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Identification Signer
Entity Name:	Karina Romero, on behalf of Walgreen Co.
Entity Title:	Regulatory Compliance Specialist,3E
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Parent Corporation
Entity Name:	Walgreens
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

WALGREENS #6187 (Continued) **S123625678**

HWTS:

Name:	WALGREENS #6187
Address:	11950 VALLEY VIEW ST
Address 2:	Not reported
City,State,Zip:	GARDEN GROVE, CA 92845
EPA ID:	CAL000323212
Inactive Date:	09/28/2020
Create Date:	08/07/2007
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	P.O. BOX 901
Mailing Address 2:	Not reported
Mailing City,State,Zip:	DEERFIELD, IL 600150000
Owner Name:	WALGREENS C/O GREYSTONE GROUP
Owner Address:	30050 CHAGRIN BLVD STE 360
Owner Address 2:	Not reported
Owner City,State,Zip:	DEERFIELD, OH 600150000
Owner Phone:	Not reported
Owner Fax:	Not reported
Contact Name:	AMBER DURKIN
Contact Address:	104 WILMOT RD., 5TH FLOOR, MS #1450
Contact Address 2:	Not reported
City,State,Zip:	DEERFIELD, IL 60015
Contact Phone:	Not reported
Contact Fax:	Not reported
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	33.78929
Longitude:	-118.028411

NAICS:

EPA ID:	CAL000323212
Create Date:	2007-08-07 08:52:42.613
NAICS Code:	99999
NAICS Description:	Not Otherwise Specified
Issued EPA ID Date:	2007-08-07 08:52:42.61300
Inactive Date:	2020-09-28 00:00:00
Facility Name:	WALGREENS #6187
Facility Address:	11950 VALLEY VIEW ST
Facility Address 2:	Not reported
Facility City:	GARDEN GROVE
Facility County:	Not reported
Facility State:	CA
Facility Zip:	92845

HAZNET:

Name:	WALGREENS #6187
Address:	11950 VALLEY VIEW ST
Address 2:	Not reported
City,State,Zip:	GARDEN GROVE, CA 92845
Contact:	AMBER DURKIN
Telephone:	7606028700
Mailing Name:	Not reported
Mailing Address:	P.O. BOX 901

WALGREENS #6187 (Continued) **S123625678**

Year: 2021
Gepaid: CAR000253070
TSD EPA ID: ALD094476793
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0715

Year: 2021
Gepaid: CAR000253070
TSD EPA ID: NVD980895338
CA Waste Code: 311 - Pharmaceutical waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.009

Year: 2021
Gepaid: CAR000253070
TSD EPA ID: ALD094476793
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.125

Year: 2021
Gepaid: CAR000253070
TSD EPA ID: ALD094476793
CA Waste Code: 122 - Alkaline solution without metals pH >= 12.5
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.002

Year: 2021
Gepaid: CAR000253070
TSD EPA ID: CAD008364432
CA Waste Code: 131 - Aqueous solution (2 < pH < 12.5) containing reactive anions ...
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.002

Year: 2021
Gepaid: CAR000253070
TSD EPA ID: CAD008364432
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.384

Year: 2021
Gepaid: CAR000253070
TSD EPA ID: ALD094476793
CA Waste Code: 311 - Pharmaceutical waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.003

Year: 2021

WALGREENS #6187 (Continued) **S123625678**

Gepaid:	CAR000253070
TSD EPA ID:	CAD008364432
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.2685
Year:	2021
Gepaid:	CAR000253070
TSD EPA ID:	CAD008364432
CA Waste Code:	311 - Pharmaceutical waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0755
Year:	2020
Gepaid:	CAR000253070
TSD EPA ID:	CAD008364432
CA Waste Code:	311 - Pharmaceutical waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.089

Click this hyperlink while viewing on your computer to access
87 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year:	2021
Gen EPA ID:	CAR000253070
Shipment Date:	7/10/2020
Creation Date:	7/23/2020
Receipt Date:	7/22/2020
Manifest ID:	014940361FLE
Trans EPA ID:	MNS000110924
Trans Name:	Stericycle Specialty Waste Solutions Inc
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Rho Chem LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0105
Waste Quantity:	21
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	7/10/2020

WALGREENS #6187 (Continued) **S123625678**

Creation Date:	7/23/2020
Receipt Date:	7/22/2020
Manifest ID:	014940361FLE
Trans EPA ID:	MNS000110924
Trans Name:	Stericycle Specialty Waste Solutions Inc
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Rho Chem LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.022
Waste Quantity:	44
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	7/10/2020
Creation Date:	7/23/2020
Receipt Date:	7/22/2020
Manifest ID:	014940361FLE
Trans EPA ID:	MNS000110924
Trans Name:	Stericycle Specialty Waste Solutions Inc
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Rho Chem LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	D005,D022,D024,
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.007
Waste Quantity:	14
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	7/10/2020
Creation Date:	7/23/2020
Receipt Date:	7/22/2020
Manifest ID:	014940361FLE
Trans EPA ID:	MNS000110924
Trans Name:	Stericycle Specialty Waste Solutions Inc
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

WALGREENS #6187 (Continued) **S123625678**

TSDF EPA ID:	CAD008364432
Trans Name:	Rho Chem LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.049
Waste Quantity:	98
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	7/10/2020
Creation Date:	7/23/2020
Receipt Date:	7/22/2020
Manifest ID:	014940361FLE
Trans EPA ID:	MNS000110924
Trans Name:	Stericycle Specialty Waste Solutions Inc
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Rho Chem LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	7/10/2020
Creation Date:	7/23/2020
Receipt Date:	7/22/2020
Manifest ID:	014940361FLE
Trans EPA ID:	MNS000110924
Trans Name:	Stericycle Specialty Waste Solutions Inc
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Rho Chem LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No

WALGREENS #6187 (Continued) **S123625678**

	Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0465
Waste Quantity:	93
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	5/12/2020
Creation Date:	5/29/2020
Receipt Date:	5/26/2020
Manifest ID:	014940098FLE
Trans EPA ID:	MNS000110924
Trans Name:	Stericycle Specialty Waste Solutions Inc
Trans 2 EPA ID:	MNS000110924
Trans 2 Name:	Stericycle Specialty Waste Solutions Inc
TSDF EPA ID:	CAD008364432
Trans Name:	Rho Chem LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.007
Waste Quantity:	14
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	5/12/2020
Creation Date:	5/29/2020
Receipt Date:	5/26/2020
Manifest ID:	014940098FLE
Trans EPA ID:	MNS000110924
Trans Name:	Stericycle Specialty Waste Solutions Inc
Trans 2 EPA ID:	MNS000110924
Trans 2 Name:	Stericycle Specialty Waste Solutions Inc
TSDF EPA ID:	CAD008364432
Trans Name:	Rho Chem LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

WALGREENS #6187 (Continued) **S123625678**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	5/12/2020
Creation Date:	5/29/2020
Receipt Date:	5/26/2020
Manifest ID:	014940098FLE
Trans EPA ID:	MNS000110924
Trans Name:	Stericycle Specialty Waste Solutions Inc
Trans 2 EPA ID:	MNS000110924
Trans 2 Name:	Stericycle Specialty Waste Solutions Inc
TSDF EPA ID:	CAD008364432
Trans Name:	Rho Chem LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	D007,D010
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.002
Waste Quantity:	4
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	5/12/2020
Creation Date:	5/29/2020
Receipt Date:	5/26/2020
Manifest ID:	014940098FLE
Trans EPA ID:	MNS000110924
Trans Name:	Stericycle Specialty Waste Solutions Inc
Trans 2 EPA ID:	MNS000110924
Trans 2 Name:	Stericycle Specialty Waste Solutions Inc
TSDF EPA ID:	CAD008364432
Trans Name:	Rho Chem LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2020
Gen EPA ID:	CAL000323212

WALGREENS #6187 (Continued) **S123625678**

Shipment Date:	9/9/2020
Creation Date:	10/3/2020
Receipt Date:	9/28/2020
Manifest ID:	014932302FLE
Trans EPA ID:	MNS000110924
Trans Name:	Stericycle Specialty Waste Solutions Inc
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Rho Chem LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.009
Waste Quantity:	18
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	9/9/2020
Creation Date:	10/3/2020
Receipt Date:	9/28/2020
Manifest ID:	014932302FLE
Trans EPA ID:	MNS000110924
Trans Name:	Stericycle Specialty Waste Solutions Inc
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Rho Chem LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0365
Waste Quantity:	73
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	9/9/2020
Creation Date:	10/3/2020
Receipt Date:	9/28/2020
Manifest ID:	014932302FLE
Trans EPA ID:	MNS000110924
Trans Name:	Stericycle Specialty Waste Solutions Inc
Trans 2 EPA ID:	Not reported

WALGREENS #6187 (Continued) **S123625678**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Rho Chem LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0075
Waste Quantity:	15
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/9/2020
Creation Date:	10/3/2020
Receipt Date:	9/28/2020
Manifest ID:	014932302FLE
Trans EPA ID:	MNS000110924
Trans Name:	Stericycle Specialty Waste Solutions Inc
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Rho Chem LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	D007,D010
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.013
Waste Quantity:	26
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/9/2020
Creation Date:	10/3/2020
Receipt Date:	9/28/2020
Manifest ID:	014932302FLE
Trans EPA ID:	MNS000110924
Trans Name:	Stericycle Specialty Waste Solutions Inc
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Rho Chem LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	D005,D022,D024,

WALGREENS #6187 (Continued) **S123625678**

Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.001
Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/9/2020
Creation Date:	10/3/2020
Receipt Date:	9/28/2020
Manifest ID:	014932302FLE
Trans EPA ID:	MNS000110924
Trans Name:	Stericycle Specialty Waste Solutions Inc
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Rho Chem LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/9/2020
Creation Date:	10/3/2020
Receipt Date:	9/28/2020
Manifest ID:	014932302FLE
Trans EPA ID:	MNS000110924
Trans Name:	Stericycle Specialty Waste Solutions Inc
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Rho Chem LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.003
Waste Quantity:	6
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

WALGREENS #6187 (Continued) **S123625678**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/9/2020
Creation Date:	10/3/2020
Receipt Date:	9/28/2020
Manifest ID:	014932302FLE
Trans EPA ID:	MNS000110924
Trans Name:	Stericycle Specialty Waste Solutions Inc
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Rho Chem LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P075
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/9/2020
Creation Date:	10/3/2020
Receipt Date:	9/28/2020
Manifest ID:	014932302FLE
Trans EPA ID:	MNS000110924
Trans Name:	Stericycle Specialty Waste Solutions Inc
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Rho Chem LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0315
Waste Quantity:	63
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/9/2020
Creation Date:	10/3/2020
Receipt Date:	9/28/2020

WALGREENS #6187 (Continued) **S123625678**

Manifest ID:	014932302FLE
Trans EPA ID:	MNS000110924
Trans Name:	Stericycle Specialty Waste Solutions Inc
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Rho Chem LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	D007,D010
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.001
Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2020
Gen EPA ID:	CAR000253070
Shipment Date:	7/10/2020
Creation Date:	7/23/2020
Receipt Date:	7/22/2020
Manifest ID:	014940361FLE
Trans EPA ID:	MNS000110924
Trans Name:	Stericycle Specialty Waste Solutions Inc
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Rho Chem LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0465
Waste Quantity:	93
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	7/10/2020
Creation Date:	7/23/2020
Receipt Date:	7/22/2020
Manifest ID:	014940361FLE
Trans EPA ID:	MNS000110924
Trans Name:	Stericycle Specialty Waste Solutions Inc

WALGREENS #6187 (Continued) **S123625678**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Rho Chem LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0105
Waste Quantity:	21
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	7/10/2020
Creation Date:	7/23/2020
Receipt Date:	7/22/2020
Manifest ID:	014940361FLE
Trans EPA ID:	MNS000110924
Trans Name:	Stericycle Specialty Waste Solutions Inc
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Rho Chem LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	7/10/2020
Creation Date:	7/23/2020
Receipt Date:	7/22/2020
Manifest ID:	014940361FLE
Trans EPA ID:	MNS000110924
Trans Name:	Stericycle Specialty Waste Solutions Inc
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Rho Chem LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids

WALGREENS #6187 (Continued) **S123625678**

RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.049
Waste Quantity:	98
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	7/10/2020
Creation Date:	7/23/2020
Receipt Date:	7/22/2020
Manifest ID:	014940361FLE
Trans EPA ID:	MNS000110924
Trans Name:	Stericycle Specialty Waste Solutions Inc
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Rho Chem LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	D005,D022,D024,
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.007
Waste Quantity:	14
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	7/10/2020
Creation Date:	7/23/2020
Receipt Date:	7/22/2020
Manifest ID:	014940361FLE
Trans EPA ID:	MNS000110924
Trans Name:	Stericycle Specialty Waste Solutions Inc
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Rho Chem LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.022
Waste Quantity:	44
Quantity Unit:	P
Additional Code 1:	Not reported

WALGREENS #6187 (Continued) **S123625678**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	5/12/2020
Creation Date:	6/5/2020
Receipt Date:	5/19/2020
Manifest ID:	014940099FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000175422
Trans 2 Name:	WORLDWIDE RECOVERY SYSTEM INC
TSDF EPA ID:	AZR000515924
Trans Name:	YUMA YES WASTE TRANSFER FACILITY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0585
Waste Quantity:	117
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	5/12/2020
Creation Date:	5/29/2020
Receipt Date:	5/26/2020
Manifest ID:	014940098FLE
Trans EPA ID:	MNS000110924
Trans Name:	Stericycle Specialty Waste Solutions Inc
Trans 2 EPA ID:	MNS000110924
Trans 2 Name:	Stericycle Specialty Waste Solutions Inc
TSDF EPA ID:	CAD008364432
Trans Name:	Rho Chem LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0065
Waste Quantity:	13
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	5/12/2020
Creation Date:	5/29/2020

WALGREENS #6187 (Continued) **S123625678**

Receipt Date:	5/26/2020
Manifest ID:	014940098FLE
Trans EPA ID:	MNS000110924
Trans Name:	Stericycle Specialty Waste Solutions Inc
Trans 2 EPA ID:	MNS000110924
Trans 2 Name:	Stericycle Specialty Waste Solutions Inc
TSDF EPA ID:	CAD008364432
Trans Name:	Rho Chem LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	D005,D022,D024,
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0135
Waste Quantity:	27
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	5/12/2020
Creation Date:	5/29/2020
Receipt Date:	5/26/2020
Manifest ID:	014940098FLE
Trans EPA ID:	MNS000110924
Trans Name:	Stericycle Specialty Waste Solutions Inc
Trans 2 EPA ID:	MNS000110924
Trans 2 Name:	Stericycle Specialty Waste Solutions Inc
TSDF EPA ID:	CAD008364432
Trans Name:	Rho Chem LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.007
Waste Quantity:	14
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Detail Two:

Year:	2020
EM Manifest ID:	915880
Shipment Date:	9/11/2019
Receipt Date:	9/20/2019
Manifest Number:	013671491FLE
Generator EPA ID:	CAR000253070
Name:	WALGREEN
Address:	11950 VALLEY VIEW ST.

WALGREENS #6187 (Continued) **S123625678**

Address 2:	Not reported
City:	GARDEN GROVE
Zip:	92845-1239
Telephone:	877-577-2669
Contact:	Not reported
Contact Telephone:	323-776-6233
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MNS000110924
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD008364432
TSDF Name:	Rho Chem LLC
TSDF Address 1:	425 Isis Ave.
TSDF Address 2:	Not reported
TSDF City:	Inglewood
TSDF Zip:	90301
TSDF Telephone:	Not reported

Federal:

Year:	2020
EM Manifest ID:	915880
Generator EPA ID:	CAR000253070
Shipment Date:	2019-09-11
Manifest Number:	013671491FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00800
Quantity Waste:	16.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D002

Year:	2020
EM Manifest ID:	915880
Generator EPA ID:	CAR000253070
Shipment Date:	2019-09-11
Manifest Number:	013671491FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.01050
Quantity Waste:	21.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D001

Year:	2020
EM Manifest ID:	915880
Generator EPA ID:	CAR000253070
Shipment Date:	2019-09-11
Manifest Number:	013671491FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00400
Quantity Waste:	8.000000

WALGREENS #6187 (Continued) **S123625678**

Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D001

Year:	2020
EM Manifest ID:	915880
Generator EPA ID:	CAR000253070
Shipment Date:	2019-09-11
Manifest Number:	013671491FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.02550
Quantity Waste:	51.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D005

Year:	2020
EM Manifest ID:	915880
Generator EPA ID:	CAR000253070
Shipment Date:	2019-09-11
Manifest Number:	013671491FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.02550
Quantity Waste:	51.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D022

Year:	2020
EM Manifest ID:	915880
Generator EPA ID:	CAR000253070
Shipment Date:	2019-09-11
Manifest Number:	013671491FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.02550
Quantity Waste:	51.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D024

Year:	2020
EM Manifest ID:	915880
Generator EPA ID:	CAR000253070
Shipment Date:	2019-09-11
Manifest Number:	013671491FLE
Line Number:	4

WALGREENS #6187 (Continued) **S123625678**

Method Code: H141
Quantity Tons: 0.02550
Quantity Waste: 51.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
Federal Code: U058

Year: 2020
EM Manifest ID: 915880
Generator EPA ID: CAR000253070
Shipment Date: 2019-09-11
Manifest Number: 013671491FLE
Line Number: 4
Method Code: H141
Quantity Tons: 0.02550
Quantity Waste: 51.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
Federal Code: U129

Year: 2020
EM Manifest ID: 915880
Generator EPA ID: CAR000253070
Shipment Date: 2019-09-11
Manifest Number: 013671491FLE
Line Number: 5
Method Code: H141
Quantity Tons: 0.00200
Quantity Waste: 4.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D007

Year: 2020
EM Manifest ID: 915880
Generator EPA ID: CAR000253070
Shipment Date: 2019-09-11
Manifest Number: 013671491FLE
Line Number: 5
Method Code: H141
Quantity Tons: 0.00200
Quantity Waste: 4.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D010

Year: 2020
EM Manifest ID: 915880
Generator EPA ID: CAR000253070

WALGREENS #6187 (Continued) **S123625678**

Shipment Date: 2019-09-11
Manifest Number: 013671491FLE
Line Number: 6
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: P001

Year: 2020
EM Manifest ID: 915880
Generator EPA ID: CAR000253070
Shipment Date: 2019-09-11
Manifest Number: 013671491FLE
Line Number: 7
Method Code: H141
Quantity Tons: 0.00200
Quantity Waste: 4.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: P075

State:
Year: 2020
EM Manifest ID: 915880
Generator EPA ID: CAR000253070
Shipment Date: 2019-09-11
Manifest Number: 013671491FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00800
Quantity Waste: 16.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 122

Year: 2020
EM Manifest ID: 915880
Generator EPA ID: CAR000253070
Shipment Date: 2019-09-11
Manifest Number: 013671491FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.01050
Quantity Waste: 21.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 331

WALGREENS #6187 (Continued) **S123625678**

Year:	2020
EM Manifest ID:	915880
Generator EPA ID:	CAR000253070
Shipment Date:	2019-09-11
Manifest Number:	013671491FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00400
Quantity Waste:	8.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	331

Year:	2020
EM Manifest ID:	915880
Generator EPA ID:	CAR000253070
Shipment Date:	2019-09-11
Manifest Number:	013671491FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.02550
Quantity Waste:	51.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	311

Year:	2020
EM Manifest ID:	915880
Generator EPA ID:	CAR000253070
Shipment Date:	2019-09-11
Manifest Number:	013671491FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	311

Year:	2020
EM Manifest ID:	915880
Generator EPA ID:	CAR000253070
Shipment Date:	2019-09-11
Manifest Number:	013671491FLE
Line Number:	6
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases

WALGREENS #6187 (Continued) **S123625678**

Quantity Type:	Pounds
State Code:	311

Year:	2020
EM Manifest ID:	915880
Generator EPA ID:	CAR000253070
Shipment Date:	2019-09-11
Manifest Number:	013671491FLE
Line Number:	7
Method Code:	H141
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	311

Year:	2020
EM Manifest ID:	1b8424e1-7738-46ee-98c2-2e19a8de6c10
Shipment Date:	5/12/2020
Receipt Date:	5/19/2020
Manifest Number:	014940099FLE
Generator EPA ID:	CAR000253070
Name:	WALGREENS #6187
Address:	11950 VALLEY VIEW ST
Address 2:	Not reported
City:	GARDEN GROVE
Zip:	92845-1239
Telephone:	877-577-2669
Contact:	Not reported
Contact Telephone:	714-893-6195
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAR000175422
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000515924
TSDF Name:	YUMA YES WASTE TRANSFER FACILITY
TSDF Address 1:	2730 E 13TH ST
TSDF Address 2:	Not reported
TSDF City:	YUMA
TSDF Zip:	85365-1901
TSDF Telephone:	Not reported

State:

Year:	2020
EM Manifest ID:	1b8424e1-7738-46ee-98c2-2e19a8de6c10
Generator EPA ID:	CAR000253070
Shipment Date:	2020-05-12
Manifest Number:	014940099FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.04650
Quantity Waste:	93.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs

WALGREENS #6187 (Continued) **S123625678**

Quantity Type:	Pounds
State Code:	331

Year:	2020
EM Manifest ID:	1b8424e1-7738-46ee-98c2-2e19a8de6c10
Generator EPA ID:	CAR000253070
Shipment Date:	2020-05-12
Manifest Number:	014940099FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.05850
Quantity Waste:	117.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352

Year:	2020
EM Manifest ID:	0b8187a9-5034-48c7-9534-c4b002b4df32
Shipment Date:	5/12/2020
Receipt Date:	5/26/2020
Manifest Number:	014940098FLE
Generator EPA ID:	CAR000253070
Name:	WALGREEN
Address:	11950 VALLEY VIEW ST.
Address 2:	Not reported
City:	GARDEN GROVE
Zip:	92845-1239
Telephone:	877-577-2669
Contact:	Not reported
Contact Telephone:	323-776-6233
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MNS000110924
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD008364432
TSDF Name:	Rho Chem LLC
TSDF Address 1:	425 Isis Ave.
TSDF Address 2:	Not reported
TSDF City:	Inglewood
TSDF Zip:	90301
TSDF Telephone:	Not reported

Federal:

Year:	2020
EM Manifest ID:	0b8187a9-5034-48c7-9534-c4b002b4df32
Generator EPA ID:	CAR000253070
Shipment Date:	2020-05-12
Manifest Number:	014940098FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00650
Quantity Waste:	13.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiber or plastic boxes, cartons, cases

WALGREENS #6187 (Continued) **S123625678**

Quantity Type:	Pounds
Federal Code:	D002

Year:	2020
EM Manifest ID:	0b8187a9-5034-48c7-9534-c4b002b4df32
Generator EPA ID:	CAR000253070
Shipment Date:	2020-05-12
Manifest Number:	014940098FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00700
Quantity Waste:	14.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D001

Year:	2020
EM Manifest ID:	0b8187a9-5034-48c7-9534-c4b002b4df32
Generator EPA ID:	CAR000253070
Shipment Date:	2020-05-12
Manifest Number:	014940098FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00500
Quantity Waste:	10.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D001

Year:	2020
EM Manifest ID:	0b8187a9-5034-48c7-9534-c4b002b4df32
Generator EPA ID:	CAR000253070
Shipment Date:	2020-05-12
Manifest Number:	014940098FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D007

Year:	2020
EM Manifest ID:	0b8187a9-5034-48c7-9534-c4b002b4df32
Generator EPA ID:	CAR000253070
Shipment Date:	2020-05-12
Manifest Number:	014940098FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00200
Quantity Waste:	4.000000

WALGREENS #6187 (Continued) **S123625678**

Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D010

Year:	2020
EM Manifest ID:	0b8187a9-5034-48c7-9534-c4b002b4df32
Generator EPA ID:	CAR000253070
Shipment Date:	2020-05-12
Manifest Number:	014940098FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	P001

Year:	2020
EM Manifest ID:	0b8187a9-5034-48c7-9534-c4b002b4df32
Generator EPA ID:	CAR000253070
Shipment Date:	2020-05-12
Manifest Number:	014940098FLE
Line Number:	6
Method Code:	H141
Quantity Tons:	0.01350
Quantity Waste:	27.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D005

Year:	2020
EM Manifest ID:	0b8187a9-5034-48c7-9534-c4b002b4df32
Generator EPA ID:	CAR000253070
Shipment Date:	2020-05-12
Manifest Number:	014940098FLE
Line Number:	6
Method Code:	H141
Quantity Tons:	0.01350
Quantity Waste:	27.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D022

Year:	2020
EM Manifest ID:	0b8187a9-5034-48c7-9534-c4b002b4df32
Generator EPA ID:	CAR000253070
Shipment Date:	2020-05-12
Manifest Number:	014940098FLE
Line Number:	6

WALGREENS #6187 (Continued) **S123625678**

Method Code: H141
Quantity Tons: 0.01350
Quantity Waste: 27.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D024

Year: 2020
EM Manifest ID: 0b8187a9-5034-48c7-9534-c4b002b4df32
Generator EPA ID: CAR000253070
Shipment Date: 2020-05-12
Manifest Number: 014940098FLE
Line Number: 6
Method Code: H141
Quantity Tons: 0.01350
Quantity Waste: 27.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: U058

Year: 2020
EM Manifest ID: 0b8187a9-5034-48c7-9534-c4b002b4df32
Generator EPA ID: CAR000253070
Shipment Date: 2020-05-12
Manifest Number: 014940098FLE
Line Number: 6
Method Code: H141
Quantity Tons: 0.01350
Quantity Waste: 27.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: U188

State:
Year: 2020
EM Manifest ID: 0b8187a9-5034-48c7-9534-c4b002b4df32
Generator EPA ID: CAR000253070
Shipment Date: 2020-05-12
Manifest Number: 014940098FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00650
Quantity Waste: 13.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 122

Year: 2020
EM Manifest ID: 0b8187a9-5034-48c7-9534-c4b002b4df32

WALGREENS #6187 (Continued) **S123625678**

Generator EPA ID:	CAR000253070
Shipment Date:	2020-05-12
Manifest Number:	014940098FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00700
Quantity Waste:	14.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	331

Year:	2020
EM Manifest ID:	0b8187a9-5034-48c7-9534-c4b002b4df32
Generator EPA ID:	CAR000253070
Shipment Date:	2020-05-12
Manifest Number:	014940098FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00500
Quantity Waste:	10.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	331

Year:	2020
EM Manifest ID:	0b8187a9-5034-48c7-9534-c4b002b4df32
Generator EPA ID:	CAR000253070
Shipment Date:	2020-05-12
Manifest Number:	014940098FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	311

Year:	2020
EM Manifest ID:	0b8187a9-5034-48c7-9534-c4b002b4df32
Generator EPA ID:	CAR000253070
Shipment Date:	2020-05-12
Manifest Number:	014940098FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	311

WALGREENS #6187 (Continued) **S123625678**

Year:	2020
EM Manifest ID:	0b8187a9-5034-48c7-9534-c4b002b4df32
Generator EPA ID:	CAR000253070
Shipment Date:	2020-05-12
Manifest Number:	014940098FLE
Line Number:	6
Method Code:	H141
Quantity Tons:	0.01350
Quantity Waste:	27.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	311

Year:	2020
EM Manifest ID:	45cb8b63-bd32-4c2a-bd73-1f6a37fc5028
Shipment Date:	3/13/2020
Receipt Date:	4/2/2020
Manifest Number:	014362304FLE
Generator EPA ID:	CAR000253070
Name:	WALGREEN
Address:	11950 VALLEY VIEW ST.
Address 2:	Not reported
City:	GARDEN GROVE
Zip:	92845-1239
Telephone:	877-577-2669
Contact:	Not reported
Contact Telephone:	323-776-6233
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MNS000110924
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD008364432
TSDF Name:	Rho Chem LLC
TSDF Address 1:	425 Isis Ave.
TSDF Address 2:	Not reported
TSDF City:	Inglewood
TSDF Zip:	90301
TSDF Telephone:	Not reported

Federal:

Year:	2020
EM Manifest ID:	45cb8b63-bd32-4c2a-bd73-1f6a37fc5028
Generator EPA ID:	CAR000253070
Shipment Date:	2020-03-13
Manifest Number:	014362304FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	P075

WALGREENS #6187 (Continued) **S123625678**

Year: 2020
EM Manifest ID: 45cb8b63-bd32-4c2a-bd73-1f6a37fc5028
Generator EPA ID: CAR000253070
Shipment Date: 2020-03-13
Manifest Number: 014362304FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00750
Quantity Waste: 15.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D001

Year: 2020
EM Manifest ID: 45cb8b63-bd32-4c2a-bd73-1f6a37fc5028
Generator EPA ID: CAR000253070
Shipment Date: 2020-03-13
Manifest Number: 014362304FLE
Line Number: 3
Method Code: H141
Quantity Tons: 0.00400
Quantity Waste: 8.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D001

Year: 2020
EM Manifest ID: 45cb8b63-bd32-4c2a-bd73-1f6a37fc5028
Generator EPA ID: CAR000253070
Shipment Date: 2020-03-13
Manifest Number: 014362304FLE
Line Number: 4
Method Code: H141
Quantity Tons: 0.00200
Quantity Waste: 4.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D007

Year: 2020
EM Manifest ID: 45cb8b63-bd32-4c2a-bd73-1f6a37fc5028
Generator EPA ID: CAR000253070
Shipment Date: 2020-03-13
Manifest Number: 014362304FLE
Line Number: 4
Method Code: H141
Quantity Tons: 0.00200
Quantity Waste: 4.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases

WALGREENS #6187 (Continued) **S123625678**

Quantity Type: Pounds
Federal Code: D010

Year: 2020
EM Manifest ID: 45cb8b63-bd32-4c2a-bd73-1f6a37fc5028
Generator EPA ID: CAR000253070
Shipment Date: 2020-03-13
Manifest Number: 014362304FLE
Line Number: 5
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: P001

Year: 2020
EM Manifest ID: 45cb8b63-bd32-4c2a-bd73-1f6a37fc5028
Generator EPA ID: CAR000253070
Shipment Date: 2020-03-13
Manifest Number: 014362304FLE
Line Number: 6
Method Code: H141
Quantity Tons: 0.01900
Quantity Waste: 38.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D005

Year: 2020
EM Manifest ID: 45cb8b63-bd32-4c2a-bd73-1f6a37fc5028
Generator EPA ID: CAR000253070
Shipment Date: 2020-03-13
Manifest Number: 014362304FLE
Line Number: 6
Method Code: H141
Quantity Tons: 0.01900
Quantity Waste: 38.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D022

Year: 2020
EM Manifest ID: 45cb8b63-bd32-4c2a-bd73-1f6a37fc5028
Generator EPA ID: CAR000253070
Shipment Date: 2020-03-13
Manifest Number: 014362304FLE
Line Number: 6
Method Code: H141
Quantity Tons: 0.01900
Quantity Waste: 38.000000

WALGREENS #6187 (Continued) **S123625678**

Quantity Unit: P
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D024

Year: 2020
EM Manifest ID: 45cb8b63-bd32-4c2a-bd73-1f6a37fc5028
Generator EPA ID: CAR000253070
Shipment Date: 2020-03-13
Manifest Number: 014362304FLE
Line Number: 6
Method Code: H141
Quantity Tons: 0.01900
Quantity Waste: 38.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
Federal Code: U058

Year: 2020
EM Manifest ID: 45cb8b63-bd32-4c2a-bd73-1f6a37fc5028
Generator EPA ID: CAR000253070
Shipment Date: 2020-03-13
Manifest Number: 014362304FLE
Line Number: 6
Method Code: H141
Quantity Tons: 0.01900
Quantity Waste: 38.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
Federal Code: U188

State:
Year: 2020
EM Manifest ID: 45cb8b63-bd32-4c2a-bd73-1f6a37fc5028
Generator EPA ID: CAR000253070
Shipment Date: 2020-03-13
Manifest Number: 014362304FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00200
Quantity Waste: 4.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 311

Year: 2020
EM Manifest ID: 45cb8b63-bd32-4c2a-bd73-1f6a37fc5028
Generator EPA ID: CAR000253070
Shipment Date: 2020-03-13
Manifest Number: 014362304FLE

WALGREENS #6187 (Continued) **S123625678**

Line Number:	2
Method Code:	H141
Quantity Tons:	0.00750
Quantity Waste:	15.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	331

Year:	2020
EM Manifest ID:	45cb8b63-bd32-4c2a-bd73-1f6a37fc5028
Generator EPA ID:	CAR000253070
Shipment Date:	2020-03-13
Manifest Number:	014362304FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00400
Quantity Waste:	8.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	331

Year:	2020
EM Manifest ID:	45cb8b63-bd32-4c2a-bd73-1f6a37fc5028
Generator EPA ID:	CAR000253070
Shipment Date:	2020-03-13
Manifest Number:	014362304FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	311

Year:	2020
EM Manifest ID:	45cb8b63-bd32-4c2a-bd73-1f6a37fc5028
Generator EPA ID:	CAR000253070
Shipment Date:	2020-03-13
Manifest Number:	014362304FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	311

Year:	2020
EM Manifest ID:	45cb8b63-bd32-4c2a-bd73-1f6a37fc5028

WALGREENS #6187 (Continued) **S123625678**

Generator EPA ID:	CAR000253070
Shipment Date:	2020-03-13
Manifest Number:	014362304FLE
Line Number:	6
Method Code:	H141
Quantity Tons:	0.01900
Quantity Waste:	38.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	311

Year:	2020
EM Manifest ID:	6462dc31-c058-47e4-abe1-44fe5e4cf012
Shipment Date:	3/13/2020
Receipt Date:	3/27/2020
Manifest Number:	014362305FLE
Generator EPA ID:	CAR000253070
Name:	WALGREENS #6187
Address:	11950 VALLEY VIEW ST
Address 2:	Not reported
City:	GARDEN GROVE
Zip:	92845
Telephone:	877-577-2669
Contact:	Not reported
Contact Telephone:	714-893-6195
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAR000175422
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000515924
TSDF Name:	YUMA YES WASTE TRANSFER FACILITY
TSDF Address 1:	2730 E 13TH ST
TSDF Address 2:	Not reported
TSDF City:	YUMA
TSDF Zip:	85365-1901
TSDF Telephone:	Not reported

State:

Year:	2020
EM Manifest ID:	6462dc31-c058-47e4-abe1-44fe5e4cf012
Generator EPA ID:	CAR000253070
Shipment Date:	2020-03-13
Manifest Number:	014362305FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.05550
Quantity Waste:	111.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352

Year:	2020
EM Manifest ID:	6462dc31-c058-47e4-abe1-44fe5e4cf012

WALGREENS #6187 (Continued) **S123625678**

Generator EPA ID:	CAR000253070
Shipment Date:	2020-03-13
Manifest Number:	014362305FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.05450
Quantity Waste:	109.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331

Year:	2020
EM Manifest ID:	894386
Shipment Date:	11/7/2019
Receipt Date:	11/27/2019
Manifest Number:	013994881FLE
Generator EPA ID:	CAR000253070
Name:	WALGREENS #6187
Address:	11950 VALLEY VIEW ST
Address 2:	Not reported
City:	GARDEN GROVE
Zip:	92845
Telephone:	877-577-2669
Contact:	Not reported
Contact Telephone:	714-893-6195
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAR000175422
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000515924
TSDF Name:	YUMA YES WASTE TRANSFER FACILITY
TSDF Address 1:	2730 E 13TH ST
TSDF Address 2:	Not reported
TSDF City:	YUMA
TSDF Zip:	85365-1901
TSDF Telephone:	Not reported

State:

Year:	2020
EM Manifest ID:	894386
Generator EPA ID:	CAR000253070
Shipment Date:	2019-11-07
Manifest Number:	013994881FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.06050
Quantity Waste:	121.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352

Year:	2020
EM Manifest ID:	894386

WALGREENS #6187 (Continued) **S123625678**

Generator EPA ID:	CAR000253070
Shipment Date:	2019-11-07
Manifest Number:	013994881FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.01350
Quantity Waste:	27.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	331

Year:	2020
EM Manifest ID:	950872
Shipment Date:	1/10/2020
Receipt Date:	1/23/2020
Manifest Number:	014362954FLE
Generator EPA ID:	CAR000253070
Name:	WALGREEN
Address:	11950 VALLEY VIEW ST.
Address 2:	Not reported
City:	GARDEN GROVE
Zip:	92845-1239
Telephone:	877-577-2669
Contact:	Not reported
Contact Telephone:	323-776-6233
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MNS000110924
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD008364432
TSDF Name:	Rho Chem LLC
TSDF Address 1:	425 Isis Ave.
TSDF Address 2:	Not reported
TSDF City:	Inglewood
TSDF Zip:	90301
TSDF Telephone:	Not reported

Federal:

Year:	2020
EM Manifest ID:	950872
Generator EPA ID:	CAR000253070
Shipment Date:	2020-01-10
Manifest Number:	014362954FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D007

Year:	2020
EM Manifest ID:	950872

WALGREENS #6187 (Continued) **S123625678**

Generator EPA ID:	CAR000253070
Shipment Date:	2020-01-10
Manifest Number:	014362954FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D010

Year:	2020
EM Manifest ID:	950872
Generator EPA ID:	CAR000253070
Shipment Date:	2020-01-10
Manifest Number:	014362954FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	P001

Year:	2020
EM Manifest ID:	950872
Generator EPA ID:	CAR000253070
Shipment Date:	2020-01-10
Manifest Number:	014362954FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.01500
Quantity Waste:	30.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D005

Year:	2020
EM Manifest ID:	950872
Generator EPA ID:	CAR000253070
Shipment Date:	2020-01-10
Manifest Number:	014362954FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.01500
Quantity Waste:	30.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D022

WALGREENS #6187 (Continued) **S123625678**

Year: 2020
EM Manifest ID: 950872
Generator EPA ID: CAR000253070
Shipment Date: 2020-01-10
Manifest Number: 014362954FLE
Line Number: 3
Method Code: H141
Quantity Tons: 0.01500
Quantity Waste: 30.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D024

Year: 2020
EM Manifest ID: 950872
Generator EPA ID: CAR000253070
Shipment Date: 2020-01-10
Manifest Number: 014362954FLE
Line Number: 3
Method Code: H141
Quantity Tons: 0.01500
Quantity Waste: 30.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
Federal Code: U058

Year: 2020
EM Manifest ID: 950872
Generator EPA ID: CAR000253070
Shipment Date: 2020-01-10
Manifest Number: 014362954FLE
Line Number: 3
Method Code: H141
Quantity Tons: 0.01500
Quantity Waste: 30.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
Federal Code: U129

State:
Year: 2020
EM Manifest ID: 950872
Generator EPA ID: CAR000253070
Shipment Date: 2020-01-10
Manifest Number: 014362954FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00200
Quantity Waste: 4.000000
Quantity Unit: P
Number of Containers: 1

WALGREENS #6187 (Continued) **S123625678**

Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	311

Year:	2020
EM Manifest ID:	950872
Generator EPA ID:	CAR000253070
Shipment Date:	2020-01-10
Manifest Number:	014362954FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	311

Year:	2020
EM Manifest ID:	950872
Generator EPA ID:	CAR000253070
Shipment Date:	2020-01-10
Manifest Number:	014362954FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.01500
Quantity Waste:	30.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	311

Year:	2020
EM Manifest ID:	1021502
Shipment Date:	1/10/2020
Receipt Date:	1/24/2020
Manifest Number:	014362955FLE
Generator EPA ID:	CAR000253070
Name:	WALGREENS #6187
Address:	11950 VALLEY VIEW ST
Address 2:	Not reported
City:	GARDEN GROVE
Zip:	92845
Telephone:	877-577-2669
Contact:	Not reported
Contact Telephone:	714-893-6195
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAR000175422
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000515924
TSDF Name:	YUMA YES WASTE TRANSFER FACILITY
TSDF Address 1:	2730 E 13TH ST
TSDF Address 2:	Not reported

WALGREENS #6187 (Continued) **S123625678**

TSDF City:	YUMA
TSDF Zip:	85365-1901
TSDF Telephone:	Not reported

State:

Year:	2020
EM Manifest ID:	1021502
Generator EPA ID:	CAR000253070
Shipment Date:	2020-01-10
Manifest Number:	014362955FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.11050
Quantity Waste:	221.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331

Detail Two:

Year:	2019
EM Manifest ID:	772347
Shipment Date:	9/11/2019
Receipt Date:	9/24/2019
Manifest Number:	013671492FLE
Generator EPA ID:	CAR000253070
Name:	WALGREENS #6187
Address:	11950 VALLEY VIEW ST
Address 2:	Not reported
City:	GARDEN GROVE
Zip:	92845
Telephone:	877-577-2669
Contact:	Not reported
Contact Telephone:	714-893-6195
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAR000175422
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000515924
TSDF Name:	YUMA YES WASTE TRANSFER FACILITY
TSDF Address 1:	2730 E 13TH ST
TSDF Address 2:	Not reported
TSDF City:	YUMA
TSDF Zip:	85365-1901
TSDF Telephone:	Not reported

State:

Year:	2019
EM Manifest ID:	772347
Generator EPA ID:	CAR000253070
Shipment Date:	2019-09-11
Manifest Number:	013671492FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.03450
Quantity Waste:	69.000000

WALGREENS #6187 (Continued) **S123625678**

Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352

Year:	2019
EM Manifest ID:	772347
Generator EPA ID:	CAR000253070
Shipment Date:	2019-09-11
Manifest Number:	013671492FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.08550
Quantity Waste:	171.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331

Year:	2019
EM Manifest ID:	606990
Shipment Date:	7/26/2018
Receipt Date:	8/10/2018
Manifest Number:	010863537FLE
Generator EPA ID:	CAR000253070
Name:	WALGREENS #6187
Address:	11950 VALLEY VIEW ST
Address 2:	Not reported
City:	GARDEN GROVE
Zip:	92845
Telephone:	877-577-2669
Contact:	Not reported
Contact Telephone:	760-602-8700
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAR000175422
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000515924
TSDF Name:	YUMA YES WASTE TRANSFER FACILITY
TSDF Address 1:	2730 E 13TH ST
TSDF Address 2:	Not reported
TSDF City:	YUMA
TSDF Zip:	85365-1901
TSDF Telephone:	Not reported

State:

Year:	2019
EM Manifest ID:	606990
Generator EPA ID:	CAR000253070
Shipment Date:	2018-07-26
Manifest Number:	010863537FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.05100
Quantity Waste:	102.000000

WALGREENS #6187 (Continued) **S123625678**

Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331

Year:	2019
EM Manifest ID:	606990
Generator EPA ID:	CAR000253070
Shipment Date:	2018-07-26
Manifest Number:	010863537FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00700
Quantity Waste:	14.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	352

Year:	2019
EM Manifest ID:	462312
Shipment Date:	7/17/2019
Receipt Date:	8/1/2019
Manifest Number:	013057219FLE
Generator EPA ID:	CAR000253070
Name:	WALGREEN
Address:	11950 VALLEY VIEW ST.
Address 2:	Not reported
City:	GARDEN GROVE
Zip:	92845-1239
Telephone:	877-577-2669
Contact:	Not reported
Contact Telephone:	323-776-6233
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MNS000110924
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD008364432
TSDF Name:	Rho Chem LLC
TSDF Address 1:	425 Isis Ave.
TSDF Address 2:	Not reported
TSDF City:	Inglewood
TSDF Zip:	90301
TSDF Telephone:	Not reported

Federal:

Year:	2019
EM Manifest ID:	462312
Generator EPA ID:	CAR000253070
Shipment Date:	2019-07-17
Manifest Number:	013057219FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000

WALGREENS #6187 (Continued) **S123625678**

Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D007

Year:	2019
EM Manifest ID:	462312
Generator EPA ID:	CAR000253070
Shipment Date:	2019-07-17
Manifest Number:	013057219FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D010

Year:	2019
EM Manifest ID:	462312
Generator EPA ID:	CAR000253070
Shipment Date:	2019-07-17
Manifest Number:	013057219FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	P001

Year:	2019
EM Manifest ID:	462312
Generator EPA ID:	CAR000253070
Shipment Date:	2019-07-17
Manifest Number:	013057219FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	P075

State:

Year:	2019
EM Manifest ID:	462312
Generator EPA ID:	CAR000253070
Shipment Date:	2019-07-17
Manifest Number:	013057219FLE

WALGREENS #6187 (Continued) **S123625678**

Line Number:	1
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	311

Year:	2019
EM Manifest ID:	462312
Generator EPA ID:	CAR000253070
Shipment Date:	2019-07-17
Manifest Number:	013057219FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	311

Year:	2019
EM Manifest ID:	462312
Generator EPA ID:	CAR000253070
Shipment Date:	2019-07-17
Manifest Number:	013057219FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	311

Year:	2019
EM Manifest ID:	524667
Shipment Date:	7/17/2019
Receipt Date:	8/15/2019
Manifest Number:	013057218FLE
Generator EPA ID:	CAR000253070
Name:	WALGREEN
Address:	11950 VALLEY VIEW ST.
Address 2:	Not reported
City:	GARDEN GROVE
Zip:	92845-1239
Telephone:	877-577-2669
Contact:	Not reported
Contact Telephone:	317-275-7568
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported

WALGREENS #6187 (Continued) **S123625678**

Transporter 2 EPA ID:	MOD095038998
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	INR000110197
TSDF Name:	Stericycle Environmental Solutions, Inc. Indianapolis
TSDF Address 1:	2770 Fortune Circle East
TSDF Address 2:	Not reported
TSDF City:	Indianapolis
TSDF Zip:	46241
TSDF Telephone:	Not reported

Federal:

Year:	2019
EM Manifest ID:	524667
Generator EPA ID:	CAR000253070
Shipment Date:	2019-07-17
Manifest Number:	013057218FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	U034

Year:	2019
EM Manifest ID:	524667
Generator EPA ID:	CAR000253070
Shipment Date:	2019-07-17
Manifest Number:	013057218FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	U034

State:

Year:	2019
EM Manifest ID:	524667
Generator EPA ID:	CAR000253070
Shipment Date:	2019-07-17
Manifest Number:	013057218FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	311

WALGREENS #6187 (Continued) **S123625678**

Year:	2019
EM Manifest ID:	524667
Generator EPA ID:	CAR000253070
Shipment Date:	2019-07-17
Manifest Number:	013057218FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	311

Year:	2019
EM Manifest ID:	482731
Shipment Date:	7/17/2019
Receipt Date:	7/29/2019
Manifest Number:	013057220FLE
Generator EPA ID:	CAR000253070
Name:	WALGREENS #6187
Address:	11950 VALLEY VIEW ST
Address 2:	Not reported
City:	GARDEN GROVE
Zip:	92845
Telephone:	877-577-2669
Contact:	Not reported
Contact Telephone:	714-893-6195
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAR000175422
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000515924
TSDF Name:	YUMA YES WASTE TRANSFER FACILITY
TSDF Address 1:	2730 E 13TH ST
TSDF Address 2:	Not reported
TSDF City:	YUMA
TSDF Zip:	85365-1901
TSDF Telephone:	Not reported

State:

Year:	2019
EM Manifest ID:	482731
Generator EPA ID:	CAR000253070
Shipment Date:	2019-07-17
Manifest Number:	013057220FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.05450
Quantity Waste:	109.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331

WALGREENS #6187 (Continued) **S123625678**

Year:	2019
EM Manifest ID:	482731
Generator EPA ID:	CAR000253070
Shipment Date:	2019-07-17
Manifest Number:	013057220FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.04950
Quantity Waste:	99.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352

Year:	2019
EM Manifest ID:	460113
Shipment Date:	5/9/2019
Receipt Date:	5/22/2019
Manifest Number:	013131771FLE
Generator EPA ID:	CAR000253070
Name:	WALGREEN
Address:	11950 VALLEY VIEW ST.
Address 2:	Not reported
City:	GARDEN GROVE
Zip:	92845-1239
Telephone:	877-577-2669
Contact:	Not reported
Contact Telephone:	775-575-2760
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MNS000110924
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NVD980895338
TSDF Name:	21st Century Environmental Management of Nevada, LLC
TSDF Address 1:	2095 Newlands Drive East
TSDF Address 2:	Not reported
TSDF City:	Fernley
TSDF Zip:	89408
TSDF Telephone:	Not reported

Federal:

Year:	2019
EM Manifest ID:	460113
Generator EPA ID:	CAR000253070
Shipment Date:	2019-05-09
Manifest Number:	013131771FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00450
Quantity Waste:	9.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D001

WALGREENS #6187 (Continued) **S123625678**

State:

Year:	2019
EM Manifest ID:	460113
Generator EPA ID:	CAR000253070
Shipment Date:	2019-05-09
Manifest Number:	013131771FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00450
Quantity Waste:	9.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	331

Year:	2019
EM Manifest ID:	385533
Shipment Date:	3/13/2019
Receipt Date:	4/11/2019
Manifest Number:	013037065FLE
Generator EPA ID:	CAR000253070
Name:	WALGREEN
Address:	11950 VALLEY VIEW ST.
Address 2:	Not reported
City:	GARDEN GROVE
Zip:	92845-1239
Telephone:	877-577-2669
Contact:	Not reported
Contact Telephone:	775-575-2760
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MNS000110924
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NVD980895338
TSDF Name:	21st Century Environmental Management of Nevada, LLC
TSDF Address 1:	2095 Newlands Drive East
TSDF Address 2:	Not reported
TSDF City:	Fernley
TSDF Zip:	89408
TSDF Telephone:	Not reported

Federal:

Year:	2019
EM Manifest ID:	385533
Generator EPA ID:	CAR000253070
Shipment Date:	2019-03-13
Manifest Number:	013037065FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds

WALGREENS #6187 (Continued) **S123625678**

Federal Code: D001

Year: 2019
EM Manifest ID: 385533
Generator EPA ID: CAR000253070
Shipment Date: 2019-03-13
Manifest Number: 013037065FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00300
Quantity Waste: 6.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D001

State:
Year: 2019
EM Manifest ID: 385533
Generator EPA ID: CAR000253070
Shipment Date: 2019-03-13
Manifest Number: 013037065FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00200
Quantity Waste: 4.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 331

Year: 2019
EM Manifest ID: 385533
Generator EPA ID: CAR000253070
Shipment Date: 2019-03-13
Manifest Number: 013037065FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00300
Quantity Waste: 6.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 331

Year: 2019
EM Manifest ID: d98c13ee-5c7c-497f-b850-7535425c1404
Shipment Date: 3/13/2019
Receipt Date: 3/26/2019
Manifest Number: 013037064FLE
Generator EPA ID: CAR000253070
Name: WALGREEN
Address: 11950 VALLEY VIEW ST.

WALGREENS #6187 (Continued) **S123625678**

Address 2:	Not reported
City:	GARDEN GROVE
Zip:	92845-1239
Telephone:	877-577-2669
Contact:	Not reported
Contact Telephone:	323-776-6233
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MNS000110924
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD008364432
TSDF Name:	Rho Chem LLC
TSDF Address 1:	425 Isis Ave.
TSDF Address 2:	Not reported
TSDF City:	Inglewood
TSDF Zip:	90301
TSDF Telephone:	Not reported

Federal:

Year:	2019
EM Manifest ID:	d98c13ee-5c7c-497f-b850-7535425c1404
Generator EPA ID:	CAR000253070
Shipment Date:	2019-03-13
Manifest Number:	013037064FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00500
Quantity Waste:	10.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	P075

Year:	2019
EM Manifest ID:	d98c13ee-5c7c-497f-b850-7535425c1404
Generator EPA ID:	CAR000253070
Shipment Date:	2019-03-13
Manifest Number:	013037064FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00600
Quantity Waste:	12.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D005

Year:	2019
EM Manifest ID:	d98c13ee-5c7c-497f-b850-7535425c1404
Generator EPA ID:	CAR000253070
Shipment Date:	2019-03-13
Manifest Number:	013037064FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00600
Quantity Waste:	12.000000

WALGREENS #6187 (Continued) **S123625678**

Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D022

Year:	2019
EM Manifest ID:	d98c13ee-5c7c-497f-b850-7535425c1404
Generator EPA ID:	CAR000253070
Shipment Date:	2019-03-13
Manifest Number:	013037064FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00600
Quantity Waste:	12.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D024

Year:	2019
EM Manifest ID:	d98c13ee-5c7c-497f-b850-7535425c1404
Generator EPA ID:	CAR000253070
Shipment Date:	2019-03-13
Manifest Number:	013037064FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00600
Quantity Waste:	12.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	U058

Year:	2019
EM Manifest ID:	d98c13ee-5c7c-497f-b850-7535425c1404
Generator EPA ID:	CAR000253070
Shipment Date:	2019-03-13
Manifest Number:	013037064FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00600
Quantity Waste:	12.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	U129

Year:	2019
EM Manifest ID:	d98c13ee-5c7c-497f-b850-7535425c1404
Generator EPA ID:	CAR000253070
Shipment Date:	2019-03-13
Manifest Number:	013037064FLE
Line Number:	3

WALGREENS #6187 (Continued) **S123625678**

Method Code: H141
Quantity Tons: 0.00200
Quantity Waste: 4.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D007

Year: 2019
EM Manifest ID: d98c13ee-5c7c-497f-b850-7535425c1404
Generator EPA ID: CAR000253070
Shipment Date: 2019-03-13
Manifest Number: 013037064FLE
Line Number: 3
Method Code: H141
Quantity Tons: 0.00200
Quantity Waste: 4.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D010

Year: 2019
EM Manifest ID: d98c13ee-5c7c-497f-b850-7535425c1404
Generator EPA ID: CAR000253070
Shipment Date: 2019-03-13
Manifest Number: 013037064FLE
Line Number: 4
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: P001

State:
Year: 2019
EM Manifest ID: d98c13ee-5c7c-497f-b850-7535425c1404
Generator EPA ID: CAR000253070
Shipment Date: 2019-03-13
Manifest Number: 013037064FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00500
Quantity Waste: 10.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 311

Year: 2019
EM Manifest ID: d98c13ee-5c7c-497f-b850-7535425c1404

WALGREENS #6187 (Continued) **S123625678**

Generator EPA ID:	CAR000253070
Shipment Date:	2019-03-13
Manifest Number:	013037064FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00600
Quantity Waste:	12.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	311

Year:	2019
EM Manifest ID:	d98c13ee-5c7c-497f-b850-7535425c1404
Generator EPA ID:	CAR000253070
Shipment Date:	2019-03-13
Manifest Number:	013037064FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	311

Year:	2019
EM Manifest ID:	d98c13ee-5c7c-497f-b850-7535425c1404
Generator EPA ID:	CAR000253070
Shipment Date:	2019-03-13
Manifest Number:	013037064FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	311

Year:	2019
EM Manifest ID:	894063
Shipment Date:	11/7/2019
Receipt Date:	11/18/2019
Manifest Number:	013994880FLE
Generator EPA ID:	CAR000253070
Name:	WALGREEN
Address:	11950 VALLEY VIEW ST.
Address 2:	Not reported
City:	GARDEN GROVE
Zip:	92845-1239
Telephone:	877-577-2669
Contact:	Not reported

WALGREENS #6187 (Continued) **S123625678**

Contact Telephone:	323-776-6233
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MNS000110924
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD008364432
TSDF Name:	Rho Chem LLC
TSDF Address 1:	425 Isis Ave.
TSDF Address 2:	Not reported
TSDF City:	Inglewood
TSDF Zip:	90301
TSDF Telephone:	Not reported

Federal:

Year:	2019
EM Manifest ID:	894063
Generator EPA ID:	CAR000253070
Shipment Date:	2019-11-07
Manifest Number:	013994880FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D001

Year:	2019
EM Manifest ID:	894063
Generator EPA ID:	CAR000253070
Shipment Date:	2019-11-07
Manifest Number:	013994880FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D001

Year:	2019
EM Manifest ID:	894063
Generator EPA ID:	CAR000253070
Shipment Date:	2019-11-07
Manifest Number:	013994880FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.01850
Quantity Waste:	37.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D002

WALGREENS #6187 (Continued) **S123625678**

Year:	2019
EM Manifest ID:	894063
Generator EPA ID:	CAR000253070
Shipment Date:	2019-11-07
Manifest Number:	013994880FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00300
Quantity Waste:	6.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D001

Year:	2019
EM Manifest ID:	894063
Generator EPA ID:	CAR000253070
Shipment Date:	2019-11-07
Manifest Number:	013994880FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D007

Year:	2019
EM Manifest ID:	894063
Generator EPA ID:	CAR000253070
Shipment Date:	2019-11-07
Manifest Number:	013994880FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D010

Year:	2019
EM Manifest ID:	894063
Generator EPA ID:	CAR000253070
Shipment Date:	2019-11-07
Manifest Number:	013994880FLE
Line Number:	6
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases

WALGREENS #6187 (Continued) **S123625678**

Quantity Type:	Pounds
Federal Code:	P001

Year:	2019
EM Manifest ID:	894063
Generator EPA ID:	CAR000253070
Shipment Date:	2019-11-07
Manifest Number:	013994880FLE
Line Number:	7
Method Code:	H141
Quantity Tons:	0.00900
Quantity Waste:	18.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D005

Year:	2019
EM Manifest ID:	894063
Generator EPA ID:	CAR000253070
Shipment Date:	2019-11-07
Manifest Number:	013994880FLE
Line Number:	7
Method Code:	H141
Quantity Tons:	0.00900
Quantity Waste:	18.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D022

Year:	2019
EM Manifest ID:	894063
Generator EPA ID:	CAR000253070
Shipment Date:	2019-11-07
Manifest Number:	013994880FLE
Line Number:	7
Method Code:	H141
Quantity Tons:	0.00900
Quantity Waste:	18.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D024

Year:	2019
EM Manifest ID:	894063
Generator EPA ID:	CAR000253070
Shipment Date:	2019-11-07
Manifest Number:	013994880FLE
Line Number:	7
Method Code:	H141
Quantity Tons:	0.00900
Quantity Waste:	18.000000

WALGREENS #6187 (Continued) **S123625678**

Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	U058

Year:	2019
EM Manifest ID:	894063
Generator EPA ID:	CAR000253070
Shipment Date:	2019-11-07
Manifest Number:	013994880FLE
Line Number:	7
Method Code:	H141
Quantity Tons:	0.00900
Quantity Waste:	18.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	U129

State:

Year:	2019
EM Manifest ID:	894063
Generator EPA ID:	CAR000253070
Shipment Date:	2019-11-07
Manifest Number:	013994880FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	331

Year:	2019
EM Manifest ID:	894063
Generator EPA ID:	CAR000253070
Shipment Date:	2019-11-07
Manifest Number:	013994880FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	131

Year:	2019
EM Manifest ID:	894063
Generator EPA ID:	CAR000253070
Shipment Date:	2019-11-07
Manifest Number:	013994880FLE

WALGREENS #6187 (Continued) **S123625678**

Line Number:	3
Method Code:	H141
Quantity Tons:	0.01850
Quantity Waste:	37.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	141

Year:	2019
EM Manifest ID:	894063
Generator EPA ID:	CAR000253070
Shipment Date:	2019-11-07
Manifest Number:	013994880FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00300
Quantity Waste:	6.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	331

Year:	2019
EM Manifest ID:	894063
Generator EPA ID:	CAR000253070
Shipment Date:	2019-11-07
Manifest Number:	013994880FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	311

Year:	2019
EM Manifest ID:	894063
Generator EPA ID:	CAR000253070
Shipment Date:	2019-11-07
Manifest Number:	013994880FLE
Line Number:	6
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	311

Year:	2019
EM Manifest ID:	894063

WALGREENS #6187 (Continued) **S123625678**

Generator EPA ID:	CAR000253070
Shipment Date:	2019-11-07
Manifest Number:	013994880FLE
Line Number:	7
Method Code:	H141
Quantity Tons:	0.00900
Quantity Waste:	18.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	311

Year:	2019
EM Manifest ID:	252267
Shipment Date:	1/16/2019
Receipt Date:	1/23/2019
Manifest Number:	012463445FLE
Generator EPA ID:	CAR000253070
Name:	WALGREENS #6187
Address:	11950 VALLEY VIEW ST
Address 2:	Not reported
City:	GARDEN GROVE
Zip:	92845
Telephone:	877-577-2669
Contact:	Not reported
Contact Telephone:	714-893-6195
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAR000175422
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000515924
TSDF Name:	YUMA YES WASTE TRANSFER FACILITY
TSDF Address 1:	2730 E 13TH ST
TSDF Address 2:	Not reported
TSDF City:	YUMA
TSDF Zip:	85365-1901
TSDF Telephone:	Not reported

State:

Year:	2019
EM Manifest ID:	252267
Generator EPA ID:	CAR000253070
Shipment Date:	2019-01-16
Manifest Number:	012463445FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.02500
Quantity Waste:	50.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331

Year:	2019
EM Manifest ID:	252267

WALGREENS #6187 (Continued) **S123625678**

Generator EPA ID:	CAR000253070
Shipment Date:	2019-01-16
Manifest Number:	012463445FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.01300
Quantity Waste:	26.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	352

Detail Two:

Year:	2018
EM Manifest ID:	010800638FLE20170816_D_1
Shipment Date:	8/16/2017
Receipt Date:	8/24/2017
Manifest Number:	010800638FLE
Generator EPA ID:	CAR000253070
Name:	WALGREEN #6187
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAR000217000
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD008364432
TSDF Name:	RHO CHEM LLC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

Federal:

Year:	2018
EM Manifest ID:	010800638FLE20170816_D_1
Generator EPA ID:	CAR000253070
Shipment Date:	2017-08-16
Manifest Number:	010800638FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

WALGREENS #6187 (Continued) **S123625678**

Year:	2018
EM Manifest ID:	010800638FLE20170816_D_1
Generator EPA ID:	CAR000253070
Shipment Date:	2017-08-16
Manifest Number:	010800638FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

Year:	2018
EM Manifest ID:	010800638FLE20170816_D_1
Generator EPA ID:	CAR000253070
Shipment Date:	2017-08-16
Manifest Number:	010800638FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D024

Year:	2018
EM Manifest ID:	010800638FLE20170816_D_1
Generator EPA ID:	CAR000253070
Shipment Date:	2017-08-16
Manifest Number:	010800638FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	P001

Year:	2018
EM Manifest ID:	010800638FLE20170816_D_1
Generator EPA ID:	CAR000253070
Shipment Date:	2017-08-16
Manifest Number:	010800638FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00350
Quantity Waste:	7.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL

WALGREENS #6187 (Continued) **S123625678**

Quantity Type: NULL
Federal Code: D007

Year: 2018
EM Manifest ID: 010800638FLE20170816_D_1
Generator EPA ID: CAR000253070
Shipment Date: 2017-08-16
Manifest Number: 010800638FLE
Line Number: 5
Method Code: H141
Quantity Tons: 0.00350
Quantity Waste: 7.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D010

Year: 2018
EM Manifest ID: 010800638FLE20170816_D_1
Generator EPA ID: CAR000253070
Shipment Date: 2017-08-16
Manifest Number: 010800638FLE
Line Number: 6
Method Code: H141
Quantity Tons: 0.00150
Quantity Waste: 3.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D002

State:
Year: 2018
EM Manifest ID: 010800638FLE20170816_D_1
Generator EPA ID: CAR000253070
Shipment Date: 2017-08-16
Manifest Number: 010800638FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00200
Quantity Waste: 4.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 331

Year: 2018
EM Manifest ID: 010800638FLE20170816_D_1
Generator EPA ID: CAR000253070
Shipment Date: 2017-08-16
Manifest Number: 010800638FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00050

WALGREENS #6187 (Continued) **S123625678**

Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331

Year:	2018
EM Manifest ID:	010800638FLE20170816_D_1
Generator EPA ID:	CAR000253070
Shipment Date:	2017-08-16
Manifest Number:	010800638FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	311

Year:	2018
EM Manifest ID:	010800638FLE20170816_D_1
Generator EPA ID:	CAR000253070
Shipment Date:	2017-08-16
Manifest Number:	010800638FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	311

Year:	2018
EM Manifest ID:	010800638FLE20170816_D_1
Generator EPA ID:	CAR000253070
Shipment Date:	2017-08-16
Manifest Number:	010800638FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00350
Quantity Waste:	7.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	311

Year:	2018
EM Manifest ID:	010800638FLE20170816_D_1
Generator EPA ID:	CAR000253070
Shipment Date:	2017-08-16
Manifest Number:	010800638FLE

WALGREENS #6187 (Continued) **S123625678**

Line Number:	6
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	122

Year:	2018
EM Manifest ID:	010800638FLE20170816_D_1
Generator EPA ID:	CAR000253070
Shipment Date:	2017-08-16
Manifest Number:	010800638FLE
Line Number:	7
Method Code:	H141
Quantity Tons:	0.02250
Quantity Waste:	45.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	352

Year:	2018
EM Manifest ID:	010800638FLE20170816_D_1
Generator EPA ID:	CAR000253070
Shipment Date:	2017-08-16
Manifest Number:	010800638FLE
Line Number:	8
Method Code:	H141
Quantity Tons:	0.06750
Quantity Waste:	135.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331

Year:	2018
EM Manifest ID:	010203721FLE20170613_D_1
Shipment Date:	6/13/2017
Receipt Date:	6/28/2017
Manifest Number:	010203721FLE
Generator EPA ID:	CAR000253070
Name:	WALGREEN #6187
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported

WALGREENS #6187 (Continued) **S123625678**

Transporter 2 EPA ID:	ALR000007237
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	INR000110197
TSDF Name:	STERICYCLE INC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

Federal:

Year:	2018
EM Manifest ID:	010203721FLE20170613_D_1
Generator EPA ID:	CAR000253070
Shipment Date:	2017-06-13
Manifest Number:	010203721FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	U034

Year:	2018
EM Manifest ID:	010203721FLE20170613_D_1
Generator EPA ID:	CAR000253070
Shipment Date:	2017-06-13
Manifest Number:	010203721FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	U034

State:

Year:	2018
EM Manifest ID:	010203721FLE20170613_D_1
Generator EPA ID:	CAR000253070
Shipment Date:	2017-06-13
Manifest Number:	010203721FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	311

WALGREENS #6187 (Continued) **S123625678**

Year:	2018
EM Manifest ID:	010203721FLE20170613_D_1
Generator EPA ID:	CAR000253070
Shipment Date:	2017-06-13
Manifest Number:	010203721FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	311

Year:	2018
EM Manifest ID:	010203721FLE20170613_D_1
Generator EPA ID:	CAR000253070
Shipment Date:	2017-06-13
Manifest Number:	010203721FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	311

Year:	2018
EM Manifest ID:	010203721FLE20170613_D_1
Generator EPA ID:	CAR000253070
Shipment Date:	2017-06-13
Manifest Number:	010203721FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	311

Year:	2018
EM Manifest ID:	010203722FLE20170613_D_1
Shipment Date:	6/13/2017
Receipt Date:	6/15/2017
Manifest Number:	010203722FLE
Generator EPA ID:	CAR000253070
Name:	WALGREEN #6187
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported

WALGREENS #6187 (Continued) **S123625678**

Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	NED986382133
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD008364432
TSDF Name:	RHO CHEM LLC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

Federal:

Year:	2018
EM Manifest ID:	010203722FLE20170613_D_1
Generator EPA ID:	CAR000253070
Shipment Date:	2017-06-13
Manifest Number:	010203722FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	P075

Year:	2018
EM Manifest ID:	010203722FLE20170613_D_1
Generator EPA ID:	CAR000253070
Shipment Date:	2017-06-13
Manifest Number:	010203722FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00350
Quantity Waste:	7.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D007

Year:	2018
EM Manifest ID:	010203722FLE20170613_D_1
Generator EPA ID:	CAR000253070
Shipment Date:	2017-06-13
Manifest Number:	010203722FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00350
Quantity Waste:	7.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL

WALGREENS #6187 (Continued) **S123625678**

Quantity Type: NULL
Federal Code: D010

Year: 2018
EM Manifest ID: 010203722FLE20170613_D_1
Generator EPA ID: CAR000253070
Shipment Date: 2017-06-13
Manifest Number: 010203722FLE
Line Number: 3
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: P001

Year: 2018
EM Manifest ID: 010203722FLE20170613_D_1
Generator EPA ID: CAR000253070
Shipment Date: 2017-06-13
Manifest Number: 010203722FLE
Line Number: 4
Method Code: H141
Quantity Tons: 0.00400
Quantity Waste: 8.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D024

Year: 2018
EM Manifest ID: 010203722FLE20170613_D_1
Generator EPA ID: CAR000253070
Shipment Date: 2017-06-13
Manifest Number: 010203722FLE
Line Number: 5
Method Code: H141
Quantity Tons: 0.00200
Quantity Waste: 4.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D001

State:
Year: 2018
EM Manifest ID: 010203722FLE20170613_D_1
Generator EPA ID: CAR000253070
Shipment Date: 2017-06-13
Manifest Number: 010203722FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00200

WALGREENS #6187 (Continued) **S123625678**

Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	311

Year:	2018
EM Manifest ID:	010203722FLE20170613_D_1
Generator EPA ID:	CAR000253070
Shipment Date:	2017-06-13
Manifest Number:	010203722FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00350
Quantity Waste:	7.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	311

Year:	2018
EM Manifest ID:	010203722FLE20170613_D_1
Generator EPA ID:	CAR000253070
Shipment Date:	2017-06-13
Manifest Number:	010203722FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	311

Year:	2018
EM Manifest ID:	010203722FLE20170613_D_1
Generator EPA ID:	CAR000253070
Shipment Date:	2017-06-13
Manifest Number:	010203722FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00400
Quantity Waste:	8.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	311

Year:	2018
EM Manifest ID:	010203722FLE20170613_D_1
Generator EPA ID:	CAR000253070
Shipment Date:	2017-06-13
Manifest Number:	010203722FLE

WALGREENS #6187 (Continued) **S123625678**

Line Number:	5
Method Code:	H141
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331

Year:	2018
EM Manifest ID:	010203722FLE20170613_D_1
Generator EPA ID:	CAR000253070
Shipment Date:	2017-06-13
Manifest Number:	010203722FLE
Line Number:	6
Method Code:	H141
Quantity Tons:	0.03800
Quantity Waste:	76.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331

Year:	2018
EM Manifest ID:	010203722FLE20170613_D_1
Generator EPA ID:	CAR000253070
Shipment Date:	2017-06-13
Manifest Number:	010203722FLE
Line Number:	7
Method Code:	H141
Quantity Tons:	0.02000
Quantity Waste:	40.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	352

Year:	2018
EM Manifest ID:	011311944FLE20180529_D_1
Shipment Date:	5/29/2018
Receipt Date:	6/19/2018
Manifest Number:	011311944FLE
Generator EPA ID:	CAR000253070
Name:	WALGREEN #6187
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported

WALGREENS #6187 (Continued) **S123625678**

Transporter 2 EPA ID:	CAR000217554
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD008364432
TSDF Name:	RHO CHEM LLC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

Federal:

Year:	2018
EM Manifest ID:	011311944FLE20180529_D_1
Generator EPA ID:	CAR000253070
Shipment Date:	2018-05-29
Manifest Number:	011311944FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	P001

Year:	2018
EM Manifest ID:	011311944FLE20180529_D_1
Generator EPA ID:	CAR000253070
Shipment Date:	2018-05-29
Manifest Number:	011311944FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00450
Quantity Waste:	9.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D007

Year:	2018
EM Manifest ID:	011311944FLE20180529_D_1
Generator EPA ID:	CAR000253070
Shipment Date:	2018-05-29
Manifest Number:	011311944FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00450
Quantity Waste:	9.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D010

State:

WALGREENS #6187 (Continued) **S123625678**

Year:	2018
EM Manifest ID:	011311944FLE20180529_D_1
Generator EPA ID:	CAR000253070
Shipment Date:	2018-05-29
Manifest Number:	011311944FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	311

Year:	2018
EM Manifest ID:	011311944FLE20180529_D_1
Generator EPA ID:	CAR000253070
Shipment Date:	2018-05-29
Manifest Number:	011311944FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00450
Quantity Waste:	9.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	311

Year:	2018
EM Manifest ID:	011311945FLE20180529_D_1
Shipment Date:	5/29/2018
Receipt Date:	7/6/2018
Manifest Number:	011311945FLE
Generator EPA ID:	CAR000253070
Name:	WALGREEN #6187
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	NED986382133
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NVD980895338
TSDF Name:	21ST CENTURY EMN LLC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

WALGREENS #6187 (Continued) **S123625678**

Federal:

Year:	2018
EM Manifest ID:	011311945FLE20180529_D_1
Generator EPA ID:	CAR000253070
Shipment Date:	2018-05-29
Manifest Number:	011311945FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00450
Quantity Waste:	9.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

State:

Year:	2018
EM Manifest ID:	011311945FLE20180529_D_1
Generator EPA ID:	CAR000253070
Shipment Date:	2018-05-29
Manifest Number:	011311945FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00450
Quantity Waste:	9.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331

Year:	2018
EM Manifest ID:	011311946FLE20180529_D_1
Shipment Date:	5/29/2018
Receipt Date:	6/11/2018
Manifest Number:	011311946FLE
Generator EPA ID:	CAR000253070
Name:	WALGREEN #6187
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAR000175422
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000515924
TSDF Name:	YUMA YES LLC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported

WALGREENS #6187 (Continued) **S123625678**

TSDF Zip: Not reported
TSDF Telephone: Not reported

State:
Year: 2018
EM Manifest ID: 011311946FLE20180529_D_1
Generator EPA ID: CAR000253070
Shipment Date: 2018-05-29
Manifest Number: 011311946FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.05400
Quantity Waste: 108.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 352

Year: 2018
EM Manifest ID: 011311946FLE20180529_D_1
Generator EPA ID: CAR000253070
Shipment Date: 2018-05-29
Manifest Number: 011311946FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.05700
Quantity Waste: 114.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 331

Year: 2018
EM Manifest ID: 010836372FLE20180403_D_1
Shipment Date: 4/3/2018
Receipt Date: 4/19/2018
Manifest Number: 010836372FLE
Generator EPA ID: CAR000253070
Name: WALGREEN #6187
Address: Not reported
Address 2: Not reported
City: Not reported
Zip: Not reported
Telephone: Not reported
Contact: Not reported
Contact Telephone: Not reported
Transporter 1 EPA ID: MNS000110924
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: CAR000175422
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: AZR000515924
TSDF Name: YUMA YES LLC
TSDF Address 1: Not reported
TSDF Address 2: Not reported
TSDF City: Not reported

WALGREENS #6187 (Continued) **S123625678**

TSDF Zip: Not reported
TSDF Telephone: Not reported

State:
Year: 2018
EM Manifest ID: 010836372FLE20180403_D_1
Generator EPA ID: CAR000253070
Shipment Date: 2018-04-03
Manifest Number: 010836372FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.03100
Quantity Waste: 62.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 352

Year: 2018
EM Manifest ID: 010836372FLE20180403_D_1
Generator EPA ID: CAR000253070
Shipment Date: 2018-04-03
Manifest Number: 010836372FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.04550
Quantity Waste: 91.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 331

Year: 2018
EM Manifest ID: 010836370FLE20180403_D_1
Shipment Date: 4/3/2018
Receipt Date: 4/11/2018
Manifest Number: 010836370FLE
Generator EPA ID: CAR000253070
Name: WALGREEN #6187
Address: Not reported
Address 2: Not reported
City: Not reported
Zip: Not reported
Telephone: Not reported
Contact: Not reported
Contact Telephone: Not reported
Transporter 1 EPA ID: MNS000110924
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: CAR000217000
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: CAD008364432
TSDF Name: RHO CHEM LLC
TSDF Address 1: Not reported
TSDF Address 2: Not reported
TSDF City: Not reported

WALGREENS #6187 (Continued) **S123625678**

TSDF Zip: Not reported
TSDF Telephone: Not reported

Federal:

Year: 2018
EM Manifest ID: 010836370FLE20180403_D_1
Generator EPA ID: CAR000253070
Shipment Date: 2018-04-03
Manifest Number: 010836370FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: P001

Year: 2018
EM Manifest ID: 010836370FLE20180403_D_1
Generator EPA ID: CAR000253070
Shipment Date: 2018-04-03
Manifest Number: 010836370FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00150
Quantity Waste: 3.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D007

Year: 2018
EM Manifest ID: 010836370FLE20180403_D_1
Generator EPA ID: CAR000253070
Shipment Date: 2018-04-03
Manifest Number: 010836370FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00150
Quantity Waste: 3.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D010

Year: 2018
EM Manifest ID: 010836370FLE20180403_D_1
Generator EPA ID: CAR000253070
Shipment Date: 2018-04-03
Manifest Number: 010836370FLE
Line Number: 3
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000

WALGREENS #6187 (Continued) **S123625678**

Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D024

State:

Year:	2018
EM Manifest ID:	010836370FLE20180403_D_1
Generator EPA ID:	CAR000253070
Shipment Date:	2018-04-03
Manifest Number:	010836370FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	311

Year:	2018
EM Manifest ID:	010836370FLE20180403_D_1
Generator EPA ID:	CAR000253070
Shipment Date:	2018-04-03
Manifest Number:	010836370FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	311

Year:	2018
EM Manifest ID:	010836370FLE20180403_D_1
Generator EPA ID:	CAR000253070
Shipment Date:	2018-04-03
Manifest Number:	010836370FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	311

Year:	2018
EM Manifest ID:	010201965FLE20170414_D_1
Shipment Date:	4/14/2017
Receipt Date:	4/20/2017

WALGREENS #6187 (Continued) **S123625678**

Manifest Number:	010201965FLE
Generator EPA ID:	CAR000253070
Name:	WALGREEN #6187
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	NED986382133
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD008364432
TSDF Name:	RHO CHEM LLC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

Federal:

Year:	2018
EM Manifest ID:	010201965FLE20170414_D_1
Generator EPA ID:	CAR000253070
Shipment Date:	2017-04-14
Manifest Number:	010201965FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00600
Quantity Waste:	12.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

Year:	2018
EM Manifest ID:	010201965FLE20170414_D_1
Generator EPA ID:	CAR000253070
Shipment Date:	2017-04-14
Manifest Number:	010201965FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00550
Quantity Waste:	11.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

Year:	2018
EM Manifest ID:	010201965FLE20170414_D_1
Generator EPA ID:	CAR000253070
Shipment Date:	2017-04-14
Manifest Number:	010201965FLE

WALGREENS #6187 (Continued) **S123625678**

Line Number:	3
Method Code:	H141
Quantity Tons:	0.00450
Quantity Waste:	9.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	P075

Year:	2018
EM Manifest ID:	010201965FLE20170414_D_1
Generator EPA ID:	CAR000253070
Shipment Date:	2017-04-14
Manifest Number:	010201965FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D024

Year:	2018
EM Manifest ID:	010201965FLE20170414_D_1
Generator EPA ID:	CAR000253070
Shipment Date:	2017-04-14
Manifest Number:	010201965FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00350
Quantity Waste:	7.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D007

Year:	2018
EM Manifest ID:	010201965FLE20170414_D_1
Generator EPA ID:	CAR000253070
Shipment Date:	2017-04-14
Manifest Number:	010201965FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00350
Quantity Waste:	7.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D010

Year:	2018
EM Manifest ID:	010201965FLE20170414_D_1

WALGREENS #6187 (Continued) **S123625678**

Generator EPA ID: CAR000253070
Shipment Date: 2017-04-14
Manifest Number: 010201965FLE
Line Number: 6
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: P001

Year: 2018
EM Manifest ID: 010201965FLE20170414_D_1
Generator EPA ID: CAR000253070
Shipment Date: 2017-04-14
Manifest Number: 010201965FLE
Line Number: 7
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: P001

State:
Year: 2018
EM Manifest ID: 010201965FLE20170414_D_1
Generator EPA ID: CAR000253070
Shipment Date: 2017-04-14
Manifest Number: 010201965FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00600
Quantity Waste: 12.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 331

Year: 2018
EM Manifest ID: 010201965FLE20170414_D_1
Generator EPA ID: CAR000253070
Shipment Date: 2017-04-14
Manifest Number: 010201965FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00550
Quantity Waste: 11.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL

WALGREENS #6187 (Continued) **S123625678**

State Code: 331

Year: 2018
EM Manifest ID: 010201965FLE20170414_D_1
Generator EPA ID: CAR000253070
Shipment Date: 2017-04-14
Manifest Number: 010201965FLE
Line Number: 3
Method Code: H141
Quantity Tons: 0.00450
Quantity Waste: 9.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 311

Year: 2018
EM Manifest ID: 010201965FLE20170414_D_1
Generator EPA ID: CAR000253070
Shipment Date: 2017-04-14
Manifest Number: 010201965FLE
Line Number: 4
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 311

Year: 2018
EM Manifest ID: 010201965FLE20170414_D_1
Generator EPA ID: CAR000253070
Shipment Date: 2017-04-14
Manifest Number: 010201965FLE
Line Number: 5
Method Code: H141
Quantity Tons: 0.00350
Quantity Waste: 7.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 311

Year: 2018
EM Manifest ID: 010201965FLE20170414_D_1
Generator EPA ID: CAR000253070
Shipment Date: 2017-04-14
Manifest Number: 010201965FLE
Line Number: 6
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P

WALGREENS #6187 (Continued) **S123625678**

Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 311

Year: 2018
EM Manifest ID: 010201965FLE20170414_D_1
Generator EPA ID: CAR000253070
Shipment Date: 2017-04-14
Manifest Number: 010201965FLE
Line Number: 7
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 311

Year: 2018
EM Manifest ID: 010201965FLE20170414_D_1
Generator EPA ID: CAR000253070
Shipment Date: 2017-04-14
Manifest Number: 010201965FLE
Line Number: 8
Method Code: H141
Quantity Tons: 0.05000
Quantity Waste: 100.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 331

Year: 2018
EM Manifest ID: 010201965FLE20170414_D_1
Generator EPA ID: CAR000253070
Shipment Date: 2017-04-14
Manifest Number: 010201965FLE
Line Number: 9
Method Code: H141
Quantity Tons: 0.05250
Quantity Waste: 105.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 352

Year: 2018
EM Manifest ID: 010802112FLE20180202_D_1
Shipment Date: 2/2/2018
Receipt Date: 2/9/2018
Manifest Number: 010802112FLE
Generator EPA ID: CAR000253070

WALGREENS #6187 (Continued) **S123625678**

Name:	WALGREEN #6187
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAR000217000
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD008364432
TSDF Name:	RHO CHEM LLC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

Federal:

Year:	2018
EM Manifest ID:	010802112FLE20180202_D_1
Generator EPA ID:	CAR000253070
Shipment Date:	2018-02-02
Manifest Number:	010802112FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	P001

Year:	2018
EM Manifest ID:	010802112FLE20180202_D_1
Generator EPA ID:	CAR000253070
Shipment Date:	2018-02-02
Manifest Number:	010802112FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

Year:	2018
EM Manifest ID:	010802112FLE20180202_D_1
Generator EPA ID:	CAR000253070
Shipment Date:	2018-02-02
Manifest Number:	010802112FLE
Line Number:	3
Method Code:	H141

WALGREENS #6187 (Continued) **S123625678**

Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D024

Year:	2018
EM Manifest ID:	010802112FLE20180202_D_1
Generator EPA ID:	CAR000253070
Shipment Date:	2018-02-02
Manifest Number:	010802112FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D007

Year:	2018
EM Manifest ID:	010802112FLE20180202_D_1
Generator EPA ID:	CAR000253070
Shipment Date:	2018-02-02
Manifest Number:	010802112FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D010

Year:	2018
EM Manifest ID:	010802112FLE20180202_D_1
Generator EPA ID:	CAR000253070
Shipment Date:	2018-02-02
Manifest Number:	010802112FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	P075

Year:	2018
EM Manifest ID:	010802112FLE20180202_D_1
Generator EPA ID:	CAR000253070
Shipment Date:	2018-02-02

WALGREENS #6187 (Continued) **S123625678**

Manifest Number:	010802112FLE
Line Number:	6
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

Year:	2018
EM Manifest ID:	010802112FLE20180202_D_1
Generator EPA ID:	CAR000253070
Shipment Date:	2018-02-02
Manifest Number:	010802112FLE
Line Number:	7
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

Year:	2018
EM Manifest ID:	010802112FLE20180202_D_1
Generator EPA ID:	CAR000253070
Shipment Date:	2018-02-02
Manifest Number:	010802112FLE
Line Number:	8
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

State:

Year:	2018
EM Manifest ID:	010802112FLE20180202_D_1
Generator EPA ID:	CAR000253070
Shipment Date:	2018-02-02
Manifest Number:	010802112FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	311

WALGREENS #6187 (Continued) **S123625678**

Year:	2018
EM Manifest ID:	010802112FLE20180202_D_1
Generator EPA ID:	CAR000253070
Shipment Date:	2018-02-02
Manifest Number:	010802112FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331

Year:	2018
EM Manifest ID:	010802112FLE20180202_D_1
Generator EPA ID:	CAR000253070
Shipment Date:	2018-02-02
Manifest Number:	010802112FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	311

Year:	2018
EM Manifest ID:	010802112FLE20180202_D_1
Generator EPA ID:	CAR000253070
Shipment Date:	2018-02-02
Manifest Number:	010802112FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	311

Year:	2018
EM Manifest ID:	010802112FLE20180202_D_1
Generator EPA ID:	CAR000253070
Shipment Date:	2018-02-02
Manifest Number:	010802112FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL

WALGREENS #6187 (Continued) **S123625678**

Quantity Type:	NULL
State Code:	311
Year:	2018
EM Manifest ID:	010802112FLE20180202_D_1
Generator EPA ID:	CAR000253070
Shipment Date:	2018-02-02
Manifest Number:	010802112FLE
Line Number:	6
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	131
Year:	2018
EM Manifest ID:	010802112FLE20180202_D_1
Generator EPA ID:	CAR000253070
Shipment Date:	2018-02-02
Manifest Number:	010802112FLE
Line Number:	7
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331
Year:	2018
EM Manifest ID:	010802112FLE20180202_D_1
Generator EPA ID:	CAR000253070
Shipment Date:	2018-02-02
Manifest Number:	010802112FLE
Line Number:	8
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331

Additional Info:

Year:	2015
Gen EPA ID:	CAL000323212
Shipment Date:	20150505
Creation Date:	8/21/2015 22:15:28
Receipt Date:	20150507
Manifest ID:	006425986FLE

WALGREENS #6187 (Continued) **S123625678**

Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0065
Waste Quantity:	13
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150505
Creation Date:	8/21/2015 22:15:28
Receipt Date:	20150507
Manifest ID:	006425986FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P075
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0105
Waste Quantity:	21
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150505
Creation Date:	8/21/2015 22:15:28
Receipt Date:	20150507
Manifest ID:	006425986FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported

WALGREENS #6187 (Continued) **S123625678**

TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150505
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	006425986FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0125
Waste Quantity:	25
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150505
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	006425986FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0045
Waste Quantity:	9

WALGREENS #6187 (Continued) **S123625678**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150505
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	006425986FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0725
Waste Quantity:	145
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150505
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	006425986FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0525
Waste Quantity:	105
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

WALGREENS #6187 (Continued) **S123625678**

Shipment Date:	20150505
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	006425986FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	D010
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0025
Waste Quantity:	5
Quantity Unit:	P
Additional Code 1:	D007
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150505
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	006425986FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.014
Waste Quantity:	28
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150505
Creation Date:	8/21/2015 22:15:28
Receipt Date:	20150507
Manifest ID:	006425986FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880

WALGREENS #6187 (Continued) **S123625678**

Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2014
Gen EPA ID:	CAL000323212
Shipment Date:	20141107
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	007297835FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.045
Waste Quantity:	90
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141107
Creation Date:	1/15/2015 22:14:55
Receipt Date:	20141111
Manifest ID:	007297835FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC

WALGREENS #6187 (Continued) **S123625678**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141107
Creation Date:	1/15/2015 22:14:55
Receipt Date:	20141111
Manifest ID:	007297835FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P075
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.004
Waste Quantity:	8
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141107
Creation Date:	1/15/2015 22:14:55
Receipt Date:	20141111
Manifest ID:	007297835FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	D010
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0025

WALGREENS #6187 (Continued) **S123625678**

Waste Quantity:	5
Quantity Unit:	P
Additional Code 1:	D007
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141107
Creation Date:	1/15/2015 22:14:55
Receipt Date:	20141111
Manifest ID:	007297835FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	U165
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0015
Waste Quantity:	3
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141107
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	007297835FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0275
Waste Quantity:	55
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

WALGREENS #6187 (Continued) **S123625678**

Shipment Date:	20141107
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	007297835FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0035
Waste Quantity:	7
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20140909
Creation Date:	2/6/2015 22:15:12
Receipt Date:	20140912
Manifest ID:	007240007FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20140909
Creation Date:	2/6/2015 22:15:12
Receipt Date:	20140915
Manifest ID:	007240008FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791

WALGREENS #6187 (Continued) **S123625678**

Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY EMN LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140909
Creation Date:	2/6/2015 22:15:12
Receipt Date:	20140912
Manifest ID:	007240007FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.065
Waste Quantity:	130
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2013
Gen EPA ID:	CAL000323212
Shipment Date:	20131203
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	006268410FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC

WALGREENS #6187 (Continued) **S123625678**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.003
Waste Quantity:	6
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131203
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	006268410FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.03
Waste Quantity:	60
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131203
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	006268410FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.0365
Waste Quantity:	73
Quantity Unit:	P
Additional Code 1:	Not reported

WALGREENS #6187 (Continued) **S123625678**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131203
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	006268410FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.0505
Waste Quantity:	101
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131203
Creation Date:	4/24/2014 22:14:56
Receipt Date:	20131219
Manifest ID:	006268410FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0035
Waste Quantity:	7
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131203
Creation Date:	4/24/2014 22:14:56
Receipt Date:	20131219

WALGREENS #6187 (Continued) **S123625678**

Manifest ID:	006268410FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P075
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.001
Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131203
Creation Date:	4/24/2014 22:14:56
Receipt Date:	20131219
Manifest ID:	006268410FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0105
Waste Quantity:	21
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131203
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	006268410FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC

WALGREENS #6187 (Continued) **S123625678**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0385
Waste Quantity:	77
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131203
Creation Date:	4/24/2014 22:14:56
Receipt Date:	20131219
Manifest ID:	006268410FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130925
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	006272291FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.09
Waste Quantity:	180

WALGREENS #6187 (Continued) **S123625678**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2012
Gen EPA ID:	CAL000323212
Shipment Date:	20121115
Creation Date:	4/6/2013 22:15:15
Receipt Date:	20121128
Manifest ID:	005435727FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P075
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	P001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121115
Creation Date:	4/6/2013 22:15:15
Receipt Date:	20121128
Manifest ID:	005435727FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	D010
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	D007
Additional Code 2:	Not reported

WALGREENS #6187 (Continued) **S123625678**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121115
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	005435727FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.031
Waste Quantity:	62
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121115
Creation Date:	4/6/2013 22:15:15
Receipt Date:	20121128
Manifest ID:	005435727FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.002
Waste Quantity:	4
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121115
Creation Date:	4/6/2013 22:15:15
Receipt Date:	20121128
Manifest ID:	005435727FLE

WALGREENS #6187 (Continued) **S123625678**

Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	131 - Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0045
Waste Quantity:	9
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121115
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	005435727FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.027
Waste Quantity:	54
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121115
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	005435727FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC

WALGREENS #6187 (Continued) **S123625678**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.066
Waste Quantity:	132
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120828
Creation Date:	3/9/2013 22:15:19
Receipt Date:	20120911
Manifest ID:	005439680FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.001
Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120828
Creation Date:	3/9/2013 22:15:19
Receipt Date:	20120911
Manifest ID:	005439680FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	232 - Pesticides and other waste associated with pesticide production
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1

WALGREENS #6187 (Continued) **S123625678**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120828
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	005439680FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	131 - Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.001
Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2011
Gen EPA ID:	CAL000323212
Shipment Date:	20111130
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	005014705FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	Not reported

WALGREENS #6187 (Continued) **S123625678**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111130
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	005014705FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111130
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	005014705FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.0075
Waste Quantity:	15
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111130
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	005014705FLE

WALGREENS #6187 (Continued) **S123625678**

Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	131 - Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111130
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	005014705FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.001
Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111130
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	005014705FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197

WALGREENS #6187 (Continued) **S123625678**

Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.006
Waste Quantity:	12
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111130
Creation Date:	12/3/2012 22:15:38
Receipt Date:	20111212
Manifest ID:	005014705FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0045
Waste Quantity:	9
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111130
Creation Date:	12/3/2012 22:15:38
Receipt Date:	20111212
Manifest ID:	005014705FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005

WALGREENS #6187 (Continued) **S123625678**

Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111130
Creation Date:	12/3/2012 22:15:38
Receipt Date:	20111212
Manifest ID:	005014705FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111130
Creation Date:	12/3/2012 22:15:38
Receipt Date:	20111212
Manifest ID:	005014705FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

K61 ESE 1/8-1/4 0.226 mi. 1194 ft. | **WALGREENS #6187**
11950 VALLEY VIEW ST
GARDEN GROVE, CA 92845 | **RCRA-VSQG** | **1017785817**
CAR000253070

Site 19 of 36 in cluster K

Relative: Higher

Actual: 33 ft.

RCRA Listings:

Date Form Received by Agency:	20220211
Handler Name:	Walgreens #6187
Handler Address:	VALLEY VIEW ST
Handler City,State,Zip:	GARDEN GROVE, CA 92845
EPA ID:	CAR000253070
Contact Name:	AMBER DURKIN
Contact Address:	WILMOT RD, 5TH FL, MS#1450
Contact City,State,Zip:	DEERFIELD, IL 60015
Contact Telephone:	847-964-8816
Contact Fax:	760-918-4025
Contact Email:	AMBER.DURKIN@WALGREENS.COM
Contact Title:	DIRECTOR, EH&S
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2021
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	GREY HAWK CT. SUITE 200
Mailing City,State,Zip:	CARLSBAD, CA 92010
Owner Name:	Allied Farms Inc
Owner Type:	Private
Operator Name:	Walgreen Co.
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No

WALGREENS #6187 (Continued) **1017785817**

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20220610
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2021

Click Here for Biennial Reporting System Data:
Year: 2019

Click Here for Biennial Reporting System Data:
Year: 2015

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D001
Waste Description: Ignitable Waste

Waste Code: D002
Waste Description: Corrosive Waste

Waste Code: D003
Waste Description: Reactive Waste

Waste Code: D005
Waste Description: Barium

Waste Code: D007
Waste Description: Chromium

Waste Code: D009
Waste Description: Mercury

Waste Code: D010
Waste Description: Selenium

Waste Code: D016
Waste Description: 2,4-D (2,4-Dichlorophenoxyacetic Acid)

Waste Code: D022
Waste Description: Chloroform

Waste Code: D024

WALGREENS #6187 (Continued) **1017785817**

Waste Description: M-Cresol

Waste Code: D026
Waste Description: Cresol

Waste Code: P001
Waste Description: 2h-1-Benzopyran-2-One, 4-Hydroxy-3-(3-Oxo-1-Phenylbutyl)-, & Salts, When Present At Concentrations Greater Than 0.3% (Or) Warfarin, & Salts, When Present At Concentrations Greater Than 0.3%

Waste Code: P075
Waste Description: Nicotine, & Salts (Or) Pyridine, 3-(1-Methyl-2-Pyrrolidinyl)-,(S)-, & Salts

Waste Code: P105
Waste Description: Sodium Azide

Waste Code: U034
Waste Description: Acetaldehyde, Trichloro- (Or) Chloral

Waste Code: U044
Waste Description: Chloroform (Or) Methane, Trichloro-

Waste Code: U058
Waste Description: 2h-1,3,2-Oxazaphosphorin-2-Amine, N,N-Bis(2-Chloroethyl)Tetrahydro-, 2-Oxide (Or) Cyclophosphamide

Waste Code: U122
Waste Description: Formaldehyde

Waste Code: U129
Waste Description: Cyclohexane, 1,2,3,4,5,6-Hexachloro-, (1alpha, 2alpha, 3beta, 4alpha, 5alpha, 6beta)- (Or) Lindane

Waste Code: U150
Waste Description: L-Phenylalanine, 4-[Bis(2-Chloroethyl)Amino]- (Or) Melphalan

Waste Code: U165
Waste Description: Naphthalene

Waste Code: U188
Waste Description: Phenol

Waste Code: U201
Waste Description: 1,3-Benzenediol (Or) Resorcinol

Waste Code: U205
Waste Description: Selenium Sulfide (Or) Selenium Sulfide Ses2 (R,T)

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: WALGREEN CO.
Legal Status: Private
Date Became Current: 20020419
Date Ended Current: Not reported
Owner/Operator Address: 200 WILMONT RD.
Owner/Operator City,State,Zip: DEERFIELD, IL 60015

WALGREENS #6187 (Continued) **1017785817**

Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: ALLIED FARMS INC	
Legal Status:	Private
Date Became Current:	20020325
Date Ended Current:	Not reported
Owner/Operator Address:	2716 OCEAN PARK BLVD #3006
Owner/Operator City,State,Zip:	SANTA MONICA, CA 90405
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: WALGREEN CO.	
Legal Status:	Private
Date Became Current:	20020419
Date Ended Current:	Not reported
Owner/Operator Address:	200 WILMOT RD.
Owner/Operator City,State,Zip:	DEERFIELD, IL 60015
Owner/Operator Telephone:	847-964-8816
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	AMBER.DURKIN@WALGREENS.COM
Owner/Operator Indicator:	Operator
Owner/Operator Name: WALGREEN CO.	
Legal Status:	Private
Date Became Current:	20020419
Date Ended Current:	Not reported
Owner/Operator Address:	200 WILMONT RD.
Owner/Operator City,State,Zip:	DEERFIELD, IL 60015
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: WALGREEN CO.	
Legal Status:	Private
Date Became Current:	20020419
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: ALLIED FARMS INC	
Legal Status:	Private
Date Became Current:	20020325

WALGREENS #6187 (Continued) **1017785817**

Date Ended Current:	Not reported
Owner/Operator Address:	2716 OCEAN PARK BLVD #3006
Owner/Operator City,State,Zip:	SANTA MONICA, CA 90405
Owner/Operator Telephone:	310-396-4514
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: ALLIED FARMS INC	
Legal Status:	Private
Date Became Current:	20020325
Date Ended Current:	Not reported
Owner/Operator Address:	2716 OCEAN PARK BLVD #3006
Owner/Operator City,State,Zip:	SANTA MONICA, CA 90405
Owner/Operator Telephone:	847-964-8816
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	AMBER.DURKIN@WALGREENS.COM
Owner/Operator Indicator:	Owner
Owner/Operator Name: ALLIED FARMS INC	
Legal Status:	Private
Date Became Current:	20020325
Date Ended Current:	Not reported
Owner/Operator Address:	2716 OCEAN PARK BLVD #3006
Owner/Operator City,State,Zip:	SANTA MONICA, CA 90405
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: ALLIED FARMS INC	
Legal Status:	Private
Date Became Current:	20020325
Date Ended Current:	Not reported
Owner/Operator Address:	2716 OCEAN PARK BLVD
Owner/Operator City,State,Zip:	SANTA MONICA, CA 90405
Owner/Operator Telephone:	310-396-4514
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: WALGREEN CO	
Legal Status:	Private
Date Became Current:	20020325
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

WALGREENS #6187 (Continued) **1017785817**

Historic Generators:

Receive Date:	20160415
Handler Name: WALGREENS #6187	
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20200724
Handler Name: WALGREENS #6187	
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

Receive Date:	20220211
Handler Name: WALGREENS #6187	
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

Receive Date:	20150420
Handler Name: WALGREEN NO 6187	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20201118
Handler Name: WALGREENS #6187	
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	Not reported

WALGREENS #6187 (Continued) **1017785817**

Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	42421
NAICS Description:	DRUGS AND DRUGGISTS' SUNDRIES MERCHANT WHOLESALERS
NAICS Code:	44611
NAICS Description:	PHARMACIES AND DRUG STORES
NAICS Code:	446110
NAICS Description:	PHARMACIES AND DRUG STORES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

62
NE
1/8-1/4
0.231 mi.
1222 ft.

JOE METIN
11649 COZUMEL ST
CYPRESS, CA 90630

RCRA NonGen / NLR **1027687175**
CAC003229390

Relative:
Higher

Actual:
35 ft.

RCRA Listings:

Date Form Received by Agency:	20230425
Handler Name:	Joe Metin
Handler Address:	11649 COZUMEL ST
Handler City,State,Zip:	CYPRESS, CA 90630
EPA ID:	CAC003229390
Contact Name:	JOE METIN
Contact Address:	11649 COZUMEL ST
Contact City,State,Zip:	CYPRESS, CA 90630
Contact Telephone:	714-323-4733
Contact Fax:	Not reported
Contact Email:	JASMINECD.SE@GMAIL.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	11649 COZUMEL ST
Mailing City,State,Zip:	CYPRESS, CA 90630

JOE METIN (Continued) **1027687175**

Owner Name:	Joe Metin
Owner Type:	Other
Operator Name:	Joe Metin
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20230425
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: JOE METIN	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11649 COZUMEL ST
Owner/Operator City,State,Zip:	CYPRESS, CA 90630
Owner/Operator Telephone:	714-323-4733
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported

JOE METIN (Continued) **1027687175**

Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: JOE METIN
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 11649 COZUMEL ST
Owner/Operator City,State,Zip: CYPRESS, CA 90630
Owner/Operator Telephone: 714-323-4733
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20230425
Handler Name: JOE METIN
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

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63 **LORRAINE FASSEL** **RCRA NonGen / NLR** **1027204398**
SSE **12068 STONEGATE LN,** **CAC003168412**
1/8-1/4 **GARDEN GROVE, CA 92845**
0.232 mi.
1226 ft.

Relative:
Higher

Actual:
32 ft.

RCRA Listings:
Date Form Received by Agency: 20220328
Handler Name: Lorraine Fassel
Handler Address: 12068 STONEGATE LN,
Handler City,State,Zip: GARDEN GROVE, CA 92845
EPA ID: CAC003168412
Contact Name: LORRAINE FASSEL
Contact Address: 12068 STONEGATE LN,
Contact City,State,Zip: GARDEN GROVE, CA 92845
Contact Telephone: 714-815-7059
Contact Fax: Not reported

LORRAINE FASSEL (Continued) **1027204398**

Contact Email:	GMORENO@VIKINGENVIRO.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	12068 STONEGATE LN,
Mailing City,State,Zip:	GARDEN GROVE, CA 92845
Owner Name:	Lorraine Fassel
Owner Type:	Other
Operator Name:	Lorraine Fassel
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20220328
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

LORRAINE FASSEL (Continued) **1027204398**

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: LORRAINE FASSEL	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12068 STONEGATE LN,
Owner/Operator City,State,Zip:	GARDEN GROVE, CA 92845
Owner/Operator Telephone:	714-815-7059
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: LORRAINE FASSEL	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12068 STONEGATE LN,
Owner/Operator City,State,Zip:	GARDEN GROVE, CA 92845
Owner/Operator Telephone:	714-815-7059
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20220328
Handler Name: LORRAINE FASSEL	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

64 ALEXANDER ULANDY **RCRA NonGen / NLR** **1027089859**
ENE 6028 PITCAIRN ST. **CAC003162341**
1/8-1/4 CYPRESS, CA 90630
0.237 mi.
1254 ft.

Relative:
Higher

Actual:
34 ft.

RCRA Listings:

Date Form Received by Agency:	20220217
Handler Name:	Alexander Ulandy
Handler Address:	6028 PITCAIRN ST.
Handler City,State,Zip:	CYPRESS, CA 90630
EPA ID:	CAC003162341
Contact Name:	ALEXANDER ULANDY
Contact Address:	6028 PITCAIRN ST.
Contact City,State,Zip:	CYPRESS, CA 90630
Contact Telephone:	714-206-1689
Contact Fax:	Not reported
Contact Email:	AD.AQHIINC@GMAIL.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	6028 PITCAIRN ST.
Mailing City,State,Zip:	CYPRESS, CA 90630
Owner Name:	Alexander Ulandy
Owner Type:	Other
Operator Name:	Alexander Ulandy
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No

ALEXANDER ULANDY (Continued) **1027089859**

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20220217
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: ALEXANDER ULANDY	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	6028 PITCAIRN ST.
Owner/Operator City,State,Zip:	CYPRESS, CA 90630
Owner/Operator Telephone:	714-206-1689
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: ALEXANDER ULANDY	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	6028 PITCAIRN ST.
Owner/Operator City,State,Zip:	CYPRESS, CA 90630
Owner/Operator Telephone:	714-206-1689
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20220217
Handler Name: ALEXANDER ULANDY	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

ALEXANDER ULANDY (Continued) **1027089859**

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

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65 NNE 1/8-1/4 0.238 mi. 1256 ft.

PATRICIA LANGDON
11557 SAMOA ST
CYPRESS, CA 90630

RCRA NonGen / NLR **1026804051**
CAC003116147

Relative: Higher
Actual: 35 ft.

RCRA Listings:

Date Form Received by Agency:	20210422
Handler Name:	Patricia Langdon
Handler Address:	11557 SAMOA ST
Handler City,State,Zip:	CYPRESS, CA 90630-5540
EPA ID:	CAC003116147
Contact Name:	PATRICIA LANGDON
Contact Address:	11557 SAMOA ST
Contact City,State,Zip:	CYPRESS, CA 90630-5540
Contact Telephone:	714-209-6743
Contact Fax:	Not reported
Contact Email:	ERNIE@SIRRIS.BIZ
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	11557 SAMOA ST
Mailing City,State,Zip:	CYPRESS, CA 90630-5540
Owner Name:	Patricia Langdon
Owner Type:	Other
Operator Name:	Patricia Langdon
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No

PATRICIA LANGDON (Continued) **1026804051**

Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210422
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: PATRICIA LANGDON	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11557 SAMOA ST
Owner/Operator City,State,Zip:	CYPRESS, CA 90630-5540
Owner/Operator Telephone:	714-209-6743
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: PATRICIA LANGDON	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11557 SAMOA ST
Owner/Operator City,State,Zip:	CYPRESS, CA 90630-5540
Owner/Operator Telephone:	714-209-6743
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

PATRICIA LANGDON (Continued) **1026804051**

Historic Generators:

Receive Date:	20210422
Handler Name:	PATRICIA LANGDON
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

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66 North 1/8-1/4 0.239 mi. 1263 ft. **GLYNDA HUGHES** **RCRA NonGen / NLR** **1025863159**
11542 RABAUL DR **CAC003043916**
CYPRESS, CA 90630

Relative: Higher

Actual: 34 ft.

RCRA Listings:

Date Form Received by Agency:	20191119
Handler Name:	Glynda Hughes
Handler Address:	11542 RABAUL DR
Handler City,State,Zip:	CYPRESS, CA 90630-5537
EPA ID:	CAC003043916
Contact Name:	GLYNDA HUGHES
Contact Address:	11542 RABAUL DR
Contact City,State,Zip:	CYPRESS, CA 90630-5537
Contact Telephone:	714-897-4473
Contact Fax:	Not reported
Contact Email:	NANCYRUIZ@ALLIANCE-ENVIRO.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	11542 RABAUL DR
Mailing City,State,Zip:	CYPRESS, CA 90630-5537
Owner Name:	Glynda Hughes

GLYNDA HUGHES (Continued) **1025863159**

Owner Type:	Other
Operator Name:	Glynda Hughes
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20191122
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: GLYNDA HUGHES	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11542 RABAUL DR
Owner/Operator City,State,Zip:	CYPRESS, CA 90630-5537
Owner/Operator Telephone:	714-897-4473
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

GLYNDA HUGHES (Continued) **1025863159**

Owner/Operator Indicator: Owner
Owner/Operator Name: GLYNDA HUGHES
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 11542 RABAUL DR
Owner/Operator City,State,Zip: CYPRESS, CA 90630-5537
Owner/Operator Telephone: 714-897-4473
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20191119
Handler Name: GLYNDA HUGHES
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

J67 **BEATRICE & MIGUEL BONAPARTE** **RCRA NonGen / NLR** **1024781064**
NNE **11534 MANILLA DR** **CAC003001029**
1/8-1/4 **CYPRESS, CA 90630**
0.242 mi.
1280 ft. **Site 5 of 6 in cluster J**

Relative:
Higher

Actual:
35 ft.

RCRA Listings:
Date Form Received by Agency: 20190213
Handler Name: Beatrice & Miguel Bonaparte
Handler Address: 11534 MANILLA DR
Handler City,State,Zip: CYPRESS, CA 90630-5526
EPA ID: CAC003001029
Contact Name: BEATRICE & MIGUEL BONAPARTE
Contact Address: 11534 MANILLA DR
Contact City,State,Zip: CYPRESS, CA 90630-5526
Contact Telephone: 714-787-9219
Contact Fax: Not reported
Contact Email: GENEVADEGUIRE@ALLIANCE-ENVIRO.COM
Contact Title: Not reported

BEATRICE & MIGUEL BONAPARTE (Continued) **1024781064**

EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	11534 MANILLA DR
Mailing City,State,Zip:	CYPRESS, CA 90630-5526
Owner Name:	Beatrice & Miguel Bonaparte
Owner Type:	Other
Operator Name:	Beatrice & Miguel Bonaparte
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20190222
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

BEATRICE & MIGUEL BONAPARTE (Continued) **1024781064**

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	BEATRICE & MIGUEL BONAPARTE
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11534 MANILLA DR
Owner/Operator City,State,Zip:	CYPRESS, CA 90630-5526
Owner/Operator Telephone:	714-787-9219
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	BEATRICE & MIGUEL BONAPARTE
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11534 MANILLA DR
Owner/Operator City,State,Zip:	CYPRESS, CA 90630-5526
Owner/Operator Telephone:	714-787-9219
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20190213
Handler Name:	BEATRICE & MIGUEL BONAPARTE
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

K68 SE 1/8-1/4 0.244 mi. 1290 ft. | **MOBIL OIL STN #17-243**
6011 CHAPMAN AVE
GARDEN GROVE, CA 90017 | **LUST HWTS HAZNET** | **S123779450 N/A**

Site 20 of 36 in cluster K

Relative: Higher

Actual: 33 ft.

ORANGE CO. LUST:

Name:	MOBIL #11-GLG
Address:	6011 CHAPMAN AVE
City,State,Zip:	GARDEN GROVE, CA 92645
Region:	ORANGE
Facility Id:	91UT106
Current Status:	Closed
Type of Closure:	Closure certification issued
Released Substance:	Not reported
Date Closed:	03/20/2002
File Location:	Local Agency

HWTS:

Name:	MOBIL OIL STN #17-243
Address:	6011 CHAPMAN AVE
Address 2:	Not reported
City,State,Zip:	GARDEN GROVE, CA 90017
EPA ID:	CAX000149799
Inactive Date:	04/30/1986
Create Date:	02/19/1985
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	Not reported
Mailing Address 2:	Not reported
Mailing City,State,Zip:	LOS ANGELES, CA 900170000
Owner Name:	Not reported
Owner Address:	Not reported
Owner Address 2:	Not reported
Owner City,State,Zip:	Not reported
Owner Phone:	Not reported
Owner Fax:	Not reported
Contact Name:	NON-DELIVERABLE 11/94 SURVEY-P
Contact Address:	Not reported
Contact Address 2:	Not reported
City,State,Zip:	Not reported
Contact Phone:	Not reported
Contact Fax:	Not reported
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	34.134975
Longitude:	-118.082428

HAZNET:

Name:	MOBIL OIL STN #17-243
Address:	6011 CHAPMAN AVE
Address 2:	Not reported
City,State,Zip:	GARDEN GROVE, CA 900170000
Contact:	NON-DELIVERABLE 11/94 SURVEY-P
Telephone:	2136836300
Mailing Name:	Not reported
Mailing Address:	--

MOBIL OIL STN #17-243 (Continued) **S123779450**

Year:	1985
Gepaid:	CAX000149799
TSD EPA ID:	CAD028409019
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	D99 - Disposal, Other
Tons:	5.004

Year:	1985
Gepaid:	CAX000149799
TSD EPA ID:	CAD030384267
CA Waste Code:	611 - Contaminated soil from site clean-up
Disposal Method:	D80 - Disposal, Land Fill
Tons:	314.3644

Year:	1985
Gepaid:	CAX000149799
TSD EPA ID:	CAD030384267
CA Waste Code:	611 - Contaminated soil from site clean-up
Disposal Method:	03 -
Tons:	21.9128

Year:	1985
Gepaid:	CAX000149799
TSD EPA ID:	CAD028409019
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	R01 - Recycler
Tons:	17.514

K69 **MOBIL #11-GLG** **LUST** **U002096040**
SE **6011 CHAPMAN** **HIST UST** **N/A**
1/8-1/4 **GARDEN GROVE, CA 92645** **CA FID UST**
0.244 mi. **Cortese**
1290 ft. **Site 21 of 36 in cluster K** **CERS**

Relative:
Higher

Actual:
33 ft.

LUST:

Name:	MOBIL #11-GLG
Address:	6011 CHAPMAN
City,State,Zip:	GARDEN GROVE, CA 92645
Lead Agency:	ORANGE COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605900207
Global Id:	T0605900207
Latitude:	33.788556
Longitude:	-118.0282153
Status:	Completed - Case Closed
Status Date:	03/20/2002
Case Worker:	Not reported
RB Case Number:	083000267T
Local Agency:	Not reported
File Location:	Local Agency
Local Case Number:	91UT106
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
EPA Region:	9
Coordinate Source:	* Historical Geocode - Exact Address Match
Cuf Case:	NO
Quantity Released Gallons:	0

MOBIL #11-GLG (Continued) **U002096040**

Begin Date:	08/14/1991
Leak Reported Date:	08/14/1991
How Discovered:	Tank Closure
How Discovered Description:	Not reported
Discharge Source:	Not reported
Discharge Cause:	Not reported
Stop Method:	Close and Remove Tank
Stop Description:	Not reported
No Further Action Date:	03/20/2002
CA Water Watershed Name:	Santa Ana River - Lower Santa Ana River - East Coastal Plain (801.11)
Dwr Groundwater Subbasin Name:	Coastal Plain Of Orange County (8-001)
Disadvantaged Community:	Not reported
CA Enviroscreen 3 Score:	56-60%
CA Enviroscreen 4 Score:	30-35%
Military DOD Site:	No
Facility Project Subtype:	Not reported
RWQCB Region:	SANTA ANA RWQCB (REGION 8)
Site History:	Not reported

LUST:

Global Id:	T0605900207
Action Type:	ENFORCEMENT
Date:	04/03/1985
Action:	Staff Letter
Global Id:	T0605900207
Action Type:	ENFORCEMENT
Date:	03/08/1996
Action:	Staff Letter
Global Id:	T0605900207
Action Type:	ENFORCEMENT
Date:	02/03/2000
Action:	Staff Letter
Global Id:	T0605900207
Action Type:	ENFORCEMENT
Date:	08/11/2000
Action:	Staff Letter
Global Id:	T0605900207
Action Type:	ENFORCEMENT
Date:	08/02/2001
Action:	Staff Letter
Global Id:	T0605900207
Action Type:	REMEDIATION
Date:	03/08/1996
Action:	Excavation
Global Id:	T0605900207
Action Type:	ENFORCEMENT
Date:	07/20/2000
Action:	Staff Letter
Global Id:	T0605900207
Action Type:	ENFORCEMENT
Date:	01/31/2001

MOBIL #11-GLG (Continued) **U002096040**

Action: Staff Letter

Global Id: T0605900207
Action Type: ENFORCEMENT
Date: 05/20/1992
Action: Staff Letter

Global Id: T0605900207
Action Type: ENFORCEMENT
Date: 11/19/1991
Action: Unauthorized Release Form

Global Id: T0605900207
Action Type: ENFORCEMENT
Date: 02/04/1998
Action: Other Report

Global Id: T0605900207
Action Type: ENFORCEMENT
Date: 01/31/2001
Action: Staff Letter

Global Id: T0605900207
Action Type: ENFORCEMENT
Date: 02/23/2001
Action: Staff Letter

Global Id: T0605900207
Action Type: ENFORCEMENT
Date: 12/06/1991
Action: Staff Letter

Global Id: T0605900207
Action Type: Other
Date: 08/14/1991
Action: Leak Discovery

Global Id: T0605900207
Action Type: RESPONSE
Date: 08/13/1998
Action: Monitoring Report - Quarterly

Global Id: T0605900207
Action Type: RESPONSE
Date: 08/25/2003
Action: Well Destruction Report

Global Id: T0605900207
Action Type: RESPONSE
Date: 03/18/1993
Action: Monitoring Report - Quarterly

Global Id: T0605900207
Action Type: RESPONSE
Date: 05/28/1993
Action: Other Report / Document

MOBIL #11-GLG (Continued) **U002096040**

Global Id: T0605900207
Action Type: RESPONSE
Date: 02/01/1999
Action: Monitoring Report - Quarterly

Global Id: T0605900207
Action Type: RESPONSE
Date: 11/06/2000
Action: Monitoring Report - Quarterly

Global Id: T0605900207
Action Type: RESPONSE
Date: 08/09/2001
Action: Other Report / Document

Global Id: T0605900207
Action Type: RESPONSE
Date: 05/06/1985
Action: Soil and Water Investigation Report

Global Id: T0605900207
Action Type: RESPONSE
Date: 02/03/1998
Action: Monitoring Report - Quarterly

Global Id: T0605900207
Action Type: RESPONSE
Date: 10/28/1999
Action: Monitoring Report - Quarterly

Global Id: T0605900207
Action Type: RESPONSE
Date: 05/01/2000
Action: Monitoring Report - Quarterly

Global Id: T0605900207
Action Type: RESPONSE
Date: 08/01/2000
Action: Monitoring Report - Quarterly

Global Id: T0605900207
Action Type: RESPONSE
Date: 12/08/2000
Action: Monitoring Report - Quarterly

Global Id: T0605900207
Action Type: RESPONSE
Date: 01/31/2001
Action: Other Report / Document

Global Id: T0605900207
Action Type: RESPONSE
Date: 07/14/2001
Action: Monitoring Report - Quarterly

Global Id: T0605900207
Action Type: RESPONSE

MOBIL #11-GLG (Continued) **U002096040**

Date: 01/29/1994
Action: Monitoring Report - Quarterly

Global Id: T0605900207
Action Type: RESPONSE
Date: 08/06/1997
Action: Monitoring Report - Quarterly

Global Id: T0605900207
Action Type: RESPONSE
Date: 05/04/2001
Action: Other Report / Document

Global Id: T0605900207
Action Type: RESPONSE
Date: 09/18/1995
Action: Monitoring Report - Quarterly

Global Id: T0605900207
Action Type: ENFORCEMENT
Date: 09/11/1985
Action: Staff Letter

Global Id: T0605900207
Action Type: ENFORCEMENT
Date: 03/20/2002
Action: Staff Letter

Global Id: T0605900207
Action Type: Other
Date: 08/14/1991
Action: Leak Reported

Global Id: T0605900207
Action Type: RESPONSE
Date: 11/12/1986
Action: Other Report / Document

Global Id: T0605900207
Action Type: RESPONSE
Date: 04/30/1998
Action: Monitoring Report - Quarterly

Global Id: T0605900207
Action Type: RESPONSE
Date: 06/09/1998
Action: Other Report / Document

Global Id: T0605900207
Action Type: RESPONSE
Date: 03/07/2002
Action: Other Report / Document

Global Id: T0605900207
Action Type: RESPONSE
Date: 08/03/1999
Action: Monitoring Report - Quarterly

MOBIL #11-GLG (Continued) **U002096040**

Global Id: T0605900207
Action Type: RESPONSE
Date: 11/02/1999
Action: Other Workplan

Global Id: T0605900207
Action Type: RESPONSE
Date: 12/07/1999
Action: Other Workplan

Global Id: T0605900207
Action Type: RESPONSE
Date: 09/16/1993
Action: Monitoring Report - Quarterly

Global Id: T0605900207
Action Type: RESPONSE
Date: 09/27/1999
Action: Request for Closure

Global Id: T0605900207
Action Type: RESPONSE
Date: 07/12/2000
Action: Site Assessment Report

Global Id: T0605900207
Action Type: RESPONSE
Date: 05/06/1985
Action: Other Report / Document

Global Id: T0605900207
Action Type: RESPONSE
Date: 02/24/1986
Action: Request for Closure

Global Id: T0605900207
Action Type: RESPONSE
Date: 03/24/2000
Action: Other Report / Document

Global Id: T0605900207
Action Type: RESPONSE
Date: 04/18/2001
Action: Monitoring Report - Quarterly

Global Id: T0605900207
Action Type: RESPONSE
Date: 07/30/2001
Action: Other Report / Document

Global Id: T0605900207
Action Type: RESPONSE
Date: 02/16/1996
Action: CAP/RAP - Feasibility Study Report

Global Id: T0605900207
Action Type: RESPONSE

MOBIL #11-GLG (Continued) **U002096040**

Date: 02/03/1998
Action: Other Workplan

Global Id: T0605900207
Action Type: RESPONSE
Date: 11/13/1996
Action: Monitoring Report - Quarterly

Global Id: T0605900207
Action Type: RESPONSE
Date: 02/07/1997
Action: Monitoring Report - Quarterly

Global Id: T0605900207
Action Type: RESPONSE
Date: 12/21/1999
Action: Other Report / Document

Global Id: T0605900207
Action Type: RESPONSE
Date: 02/01/2000
Action: Monitoring Report - Quarterly

Global Id: T0605900207
Action Type: RESPONSE
Date: 03/17/2000
Action: Other Report / Document

Global Id: T0605900207
Action Type: RESPONSE
Date: 02/20/2001
Action: Other Report / Document

Global Id: T0605900207
Action Type: RESPONSE
Date: 07/02/2001
Action: Well Destruction Workplan

Global Id: T0605900207
Action Type: RESPONSE
Date: 12/05/2001
Action: Monitoring Report - Quarterly

Global Id: T0605900207
Action Type: RESPONSE
Date: 05/06/1984
Action: Site Assessment Report

Global Id: T0605900207
Action Type: RESPONSE
Date: 01/31/1996
Action: Monitoring Report - Quarterly

Global Id: T0605900207
Action Type: RESPONSE
Date: 10/28/1998
Action: Monitoring Report - Quarterly

MOBIL #11-GLG (Continued) **U002096040**

Global Id: T0605900207
Action Type: RESPONSE
Date: 03/25/1985
Action: Request for Closure

Global Id: T0605900207
Action Type: RESPONSE
Date: 01/27/1986
Action: Interim Remedial Action Report

Global Id: T0605900207
Action Type: RESPONSE
Date: 05/23/1994
Action: Monitoring Report - Quarterly

Global Id: T0605900207
Action Type: RESPONSE
Date: 05/10/1995
Action: Monitoring Report - Quarterly

Global Id: T0605900207
Action Type: RESPONSE
Date: 12/20/1996
Action: Other Report / Document

Global Id: T0605900207
Action Type: RESPONSE
Date: 09/28/2001
Action: Well Destruction Report

Global Id: T0605900207
Action Type: RESPONSE
Date: 05/14/1986
Action: Other Report / Document

Global Id: T0605900207
Action Type: RESPONSE
Date: 06/24/1993
Action: Monitoring Report - Quarterly

Global Id: T0605900207
Action Type: RESPONSE
Date: 10/18/1995
Action: Monitoring Report - Quarterly

Global Id: T0605900207
Action Type: RESPONSE
Date: 05/03/1996
Action: Monitoring Report - Quarterly

Global Id: T0605900207
Action Type: RESPONSE
Date: 04/26/1999
Action: Monitoring Report - Quarterly

Global Id: T0605900207
Action Type: RESPONSE

MOBIL #11-GLG (Continued) **U002096040**

Date: 08/31/2001
Action: Monitoring Report - Quarterly

Global Id: T0605900207
Action Type: RESPONSE
Date: 10/31/2001
Action: Other Report / Document

Global Id: T0605900207
Action Type: ENFORCEMENT
Date: 11/07/1995
Action: Staff Letter

Global Id: T0605900207
Action Type: ENFORCEMENT
Date: 11/03/1998
Action: State Water Board Facilitated Project Plan/Summary

Global Id: T0605900207
Action Type: ENFORCEMENT
Date: 02/14/2002
Action: Closure/No Further Action Letter

Global Id: T0605900207
Action Type: ENFORCEMENT
Date: 05/16/2001
Action: Staff Letter

Global Id: T0605900207
Action Type: ENFORCEMENT
Date: 10/02/1991
Action: Staff Letter

Global Id: T0605900207
Action Type: ENFORCEMENT
Date: 11/05/1999
Action: Staff Letter

LUST:
Global Id: T0605900207
Status: Open - Case Begin Date
Status Date: 08/14/1991

Global Id: T0605900207
Status: Completed - Case Closed
Status Date: 03/20/2002

Name: MOBIL OIL
Address: 6011 CHAPMAN
City,State,Zip: GARDEN GROVE, CA 92645
Lead Agency: ORANGE COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605905806
Global Id: T0605905806
Latitude: 33.788498
Longitude: -118.028188

MOBIL #11-GLG (Continued) **U002096040**

Status:	Completed - Case Closed
Status Date:	01/08/1988
Case Worker:	Not reported
RB Case Number:	Not reported
Local Agency:	Not reported
File Location:	Local Agency
Local Case Number:	85UT020
Potential Media Affect:	Under Investigation
Potential Contaminants of Concern:	Gasoline
EPA Region:	9
Coordinate Source:	Google Geocode
Cuf Case:	NO
Quantity Released Gallons:	0
Begin Date:	01/08/1988
Leak Reported Date:	01/01/1965
How Discovered:	Tank Closure
How Discovered Description:	Not reported
Discharge Source:	Not reported
Discharge Cause:	Not reported
Stop Method:	Close and Remove Tank
Stop Description:	Not reported
No Further Action Date:	01/08/1988
CA Water Watershed Name:	Santa Ana River - Lower Santa Ana River - East Coastal Plain (801.11)
Dwr Groundwater Subbasin Name:	Coastal Plain Of Orange County (8-001)
Disadvantaged Community:	Not reported
CA Enviroscreen 3 Score:	61-65%
CA Enviroscreen 4 Score:	30-35%
Military DOD Site:	No
Facility Project Subtype:	Not reported
RWQCB Region:	SANTA ANA RWQCB (REGION 8)
Site History:	Not reported

LUST:

Global Id:	T0605905806
Status:	Completed - Case Closed
Status Date:	01/08/1988

Global Id:	T0605905806
Status:	Open - Case Begin Date
Status Date:	01/08/1988

LUST REG 8:

Name:	MOBIL #11-G1G
Address:	6011 CHAPMAN
City:	GARDEN GROVE
Region:	8
County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083000267T
Local Case Num:	91UT106
Case Type:	Other ground water affected
Substance:	Gasoline
Qty Leaked:	0
Abate Method:	Not reported
Cross Street:	Not reported

MOBIL #11-GLG (Continued) **U002096040**

Enf Type:	Not reported
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Close Tank
Leak Cause:	Unknown
Leak Source:	Unknown
Global ID:	T0605900207
How Stopped Date:	9/9/9999
Enter Date:	Not reported
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	8/14/1991
Enforcement Date:	Not reported
Close Date:	3/20/2002
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	Not reported
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.788556
Longitude:	-118.0282153
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
MTBE Class:	*
Staff:	RS
Staff Initials:	SS
Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported

Summary: Not reported

Name:	MOBIL OIL
Address:	6011 CHAPMAN
City:	GARDEN GROVE
Region:	8
County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	Not reported
Local Case Num:	85UT020
Case Type:	Undefined
Substance:	Gasoline

MOBIL #11-GLG (Continued) **U002096040**

Qty Leaked:	0
Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Close Tank
Leak Cause:	Unknown
Leak Source:	Unknown
Global ID:	T0605905806
How Stopped Date:	9/9/9999
Enter Date:	Not reported
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	1/1/1965
Enforcement Date:	Not reported
Close Date:	1/8/1988
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	Not reported
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	Not reported
Longitude:	Not reported
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
MTBE Class:	*
Staff:	RS
Staff Initials:	SS
Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported

Summary: Not reported

ORANGE CO. LUST:

Name:	MOBIL OIL
Address:	6011 CHAPMAN AVE
City,State,Zip:	GARDEN GROVE, CA 92645
Region:	ORANGE
Facility Id:	85UT020
Current Status:	Closed
Type of Closure:	Closure certification issued

MOBIL #11-GLG (Continued) **U002096040**

Released Substance: Not reported
Date Closed: 01/08/1988
File Location: Local Agency

HIST UST:

Name:	JENNY AND ROSE INC
Address:	6011 CHAPMAN AVE
City,State,Zip:	GARDEN GROVE, CA 92641
File Number:	0002eb74
URL:	https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/0002eb74.pdf
Region:	Not reported
Facility ID:	Not reported
Facility Type:	Not reported
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Total Tanks:	Not reported

Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

Click here for Geo Tracker PDF:

CA FID UST:

Facility ID:	30000505
Regulated By:	UTNKA
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	7146372801
Mail To:	Not reported
Mailing Address:	3225 GALLOWS RD ATTN: EAR
Mailing Address 2:	Not reported
Mailing City,St,Zip:	GARDEN GROVE 92645
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

CORTESE:

Name:	MOBIL #11-GLG
Address:	6011 CHAPMAN
City,State,Zip:	GARDEN GROVE, CA 92645
Region:	CORTESE

MOBIL #11-GLG (Continued) **U002096040**

Envirostor Id:	Not reported
Global ID:	T0605900207
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

Name:	MOBIL OIL
Address:	6011 CHAPMAN
City,State,Zip:	GARDEN GROVE, CA 92645
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0605905806
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

CERS:

Name:	MOBIL #11-GLG
Address:	6011 CHAPMAN
City,State,Zip:	GARDEN GROVE, CA 92645
Site ID:	669650
CERS ID:	T0605900207
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Name:	MOBIL OIL
Address:	6011 CHAPMAN
City,State,Zip:	GARDEN GROVE, CA 92645

MOBIL #11-GLG (Continued) **U002096040**

Site ID: 670146
CERS ID: T0605905806
CERS Description: Leaking Underground Storage Tank Cleanup Site

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K70 **JERRY D HOPSON** **HIST UST** **U001577140**
SE **6011 CHAPMAN** **N/A**
1/8-1/4 **GARDEN GROVE, CA 92641**
0.244 mi.
1290 ft. **Site 22 of 36 in cluster K**

Relative:
Higher

Actual:
33 ft.

HIST UST:
Name: JERRY D HOPSON
Address: 6011 CHAPMAN
City,State,Zip: GARDEN GROVE, CA 92641
File Number: 00027cf2
URL: https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/00027cf2.pdf
Region: STATE
Facility ID: 00000039772
Facility Type: Gas Station
Other Type: Not reported
Contact Name: SAME
Telephone: 2138927555
Owner Name: MOBIL OIL CORP
Owner Address: 612 S. FLOWER ST
Owner City,St,Zip: LOS ANGELES, CA 90017
Total Tanks: 0004

Tank Num: 001
Container Num: 4
Year Installed: Not reported
Tank Capacity: 00008000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 002
Container Num: 3
Year Installed: Not reported
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 003
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 004
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00000280

JERRY D HOPSON (Continued) **U001577140**

Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Click here for Geo Tracker PDF:

K71 **JENNY & ROSE INC.** **HIST UST** **U001577139**
SE **6011 CHAPMAN AVE** **N/A**
1/8-1/4 **GARDEN GROVE, CA 92641**
0.244 mi.
1290 ft. **Site 23 of 36 in cluster K**

Relative:
Higher

Actual:
33 ft.

HIST UST:

Name:	JENNY & ROSE INC.
Address:	6011 CHAPMAN AVE
City,State,Zip:	GARDEN GROVE, CA 92641
File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000042804
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	JENNY HOPSON
Telephone:	7148927555
Owner Name:	MOBIL OIL CORP
Owner Address:	3655 S. SOTO
Owner City,St,Zip:	LOS ANGELES, CA 90058
Total Tanks:	0003
Tank Num:	001
Container Num:	I
Year Installed:	Not reported
Tank Capacity:	00006000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	002
Container Num:	III
Year Installed:	Not reported
Tank Capacity:	00008000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Visual
Tank Num:	003
Container Num:	II
Year Installed:	Not reported
Tank Capacity:	00006000
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	Not reported
Leak Detection:	Visual

K72 SE 1/8-1/4 0.244 mi. 1290 ft. | **EXXONMOBIL OIL CORPORATION #18576**
6011 CHAPMAN AVE
GARDEN GROVE, CA 92845

LUST **S113043652**
HWTS **N/A**
HAZNET

Site 24 of 36 in cluster K

Relative: Higher

Actual: 33 ft.

ORANGE CO. LUST:

Name:	MOBIL OIL #18-GLG
Address:	6011 CHAPMAN AVE
City,State,Zip:	GARDEN GROVE, CA 92641
Region:	ORANGE
Facility Id:	91UT144
Current Status:	Closed
Type of Closure:	Invalidated
Released Substance:	Not reported
Date Closed:	01/01/1991
File Location:	Local Agency

HWTS:

Name:	EXXONMOBIL OIL CORPORATION #18576
Address:	6011 CHAPMAN AVE
Address 2:	Not reported
City,State,Zip:	GARDEN GROVE, CA 92845
EPA ID:	CAL000056293
Inactive Date:	06/30/2008
Create Date:	07/20/1994
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	16945 NORTHCHASE DRIVE ROOM 538
Mailing Address 2:	Not reported
Mailing City,State,Zip:	HOUSTON, TX 770600000
Owner Name:	EXXONMOBIL OIL CORP
Owner Address:	3225 GALLOWS RD
Owner Address 2:	Not reported
Owner City,State,Zip:	FAIRFAX, VA 220370002
Owner Phone:	Not reported
Owner Fax:	Not reported
Contact Name:	DALE VIATOR, ENVT'L ADVISOR
Contact Address:	16945 NORTHCHASE DRIVE ROOM 538
Contact Address 2:	Not reported
City,State,Zip:	HOUSTON, TX 770600000
Contact Phone:	Not reported
Contact Fax:	Not reported
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	33.788598
Longitude:	-118.028205

NAICS:

EPA ID:	CAL000056293
Create Date:	2002-03-14 16:36:27.000
NAICS Code:	44719
NAICS Description:	Other Gasoline Stations
Issued EPA ID Date:	1994-07-20 00:00:00
Inactive Date:	2008-06-30 00:00:00
Facility Name:	EXXONMOBIL OIL CORPORATION #18576
Facility Address:	6011 CHAPMAN AVE
Facility Address 2:	Not reported

EXXONMOBIL OIL CORPORATION #18576 (Continued) **S113043652**

Facility City:	GARDEN GROVE
Facility County:	Not reported
Facility State:	CA
Facility Zip:	928450000

HAZNET:

Name:	EXXONMOBIL OIL CORPORATION #18576
Address:	6011 CHAPMAN AVE
Address 2:	Not reported
City,State,Zip:	GARDEN GROVE, CA 928450000
Contact:	DALE VIATOR, ENVT'L ADVISOR
Telephone:	2816548470
Mailing Name:	Not reported
Mailing Address:	16945 NORTHCHASE DRIVE ROOM 538
Year:	1997
Gepaid:	CAL000056293
TSD EPA ID:	CAT080013352
CA Waste Code:	241 - Tank bottom waste
Disposal Method:	R01 - Recycler
Tons:	3.1275
Year:	1997
Gepaid:	CAL000056293
TSD EPA ID:	CAD028409019
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	T01 - Treatment, Tank
Tons:	0.9702
Year:	1996
Gepaid:	CAL000056293
TSD EPA ID:	CAD028409019
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	T01 - Treatment, Tank
Tons:	1.4826
Year:	1995
Gepaid:	CAL000056293
TSD EPA ID:	CAD028409019
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	T01 - Treatment, Tank
Tons:	1.0038
Year:	1994
Gepaid:	CAL000056293
TSD EPA ID:	CAT080011059
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	R01 - Recycler
Tons:	0.84
Year:	1993
Gepaid:	CAL000056293

EXXONMOBIL OIL CORPORATION #18576 (Continued) **S113043652**

TSD EPA ID:	CAT080011059
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	R01 - Recycler
Tons:	1.533
Year:	1993
Gepaid:	CAL000056293
TSD EPA ID:	CAT080011059
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	-
Tons:	1.386
Year:	1993
Gepaid:	CAL000056293
TSD EPA ID:	CAD099452708
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	R01 - Recycler
Tons:	1.2474
Year:	1992
Gepaid:	CAL000056293
TSD EPA ID:	CAD028409019
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	15 -
Tons:	0.1876
Year:	1992
Gepaid:	CAL000056293
TSD EPA ID:	CAT080011059
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	01 -
Tons:	1.5429

Click this hyperlink while viewing on your computer to access
3 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year:	1997
Gen EPA ID:	CAL000056293
Shipment Date:	19970630
Creation Date:	12/4/1997 0:00:00
Receipt Date:	19970708
Manifest ID:	96701814
Trans EPA ID:	CAL922125668
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

EXXONMOBIL OIL CORPORATION #18576 (Continued) **S113043652**

Waste Code Description:	241 - Tank bottom waste 251 Still bottoms with halogenated organics
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	3.1275
Waste Quantity:	750
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970625
Creation Date:	12/4/1997 0:00:00
Receipt Date:	19970626
Manifest ID:	96762476
Trans EPA ID:	CAD983641598
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.0168
Waste Quantity:	4
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970415
Creation Date:	6/26/1997 0:00:00
Receipt Date:	19970425
Manifest ID:	96729792
Trans EPA ID:	CAD983641598
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.0714
Waste Quantity:	17
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

EXXONMOBIL OIL CORPORATION #18576 (Continued) **S113043652**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970403
Creation Date:	6/26/1997 0:00:00
Receipt Date:	19970404
Manifest ID:	96729989
Trans EPA ID:	CAD983641598
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.0084
Waste Quantity:	2
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970326
Creation Date:	6/26/1997 0:00:00
Receipt Date:	19970328
Manifest ID:	96729946
Trans EPA ID:	CAD983641598
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.0126
Waste Quantity:	3
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970310
Creation Date:	6/26/1997 0:00:00
Receipt Date:	19970311
Manifest ID:	96734025
Trans EPA ID:	CAD983641598
Trans Name:	Not reported

EXXONMOBIL OIL CORPORATION #18576 (Continued) **S113043652**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.0504
Waste Quantity:	12
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19970227
Creation Date:	5/30/1997 0:00:00
Receipt Date:	19970305
Manifest ID:	96609412
Trans EPA ID:	CAD983641598
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.021
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19970215
Creation Date:	6/26/1997 0:00:00
Receipt Date:	19970217
Manifest ID:	96609255
Trans EPA ID:	CAD983641598
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	T01 - Treatment, Tank

EXXONMOBIL OIL CORPORATION #18576 (Continued) **S113043652**

Quantity Tons:	0.021
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19970205
Creation Date:	6/26/1997 0:00:00
Receipt Date:	19970212
Manifest ID:	96609436
Trans EPA ID:	CAD983641598
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.021
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19970131
Creation Date:	6/26/1997 0:00:00
Receipt Date:	19970131
Manifest ID:	96222171
Trans EPA ID:	CAD983641598
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.0924
Waste Quantity:	22
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

EXXONMOBIL OIL CORPORATION #18576 (Continued) **S113043652**

Additional Info:

Year:	1996
Gen EPA ID:	CAL000056293
Shipment Date:	19961227
Creation Date:	5/21/1997 0:00:00
Receipt Date:	19961230
Manifest ID:	96536357
Trans EPA ID:	CAD983641598
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.0588
Waste Quantity:	14
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19961002
Creation Date:	5/20/1997 0:00:00
Receipt Date:	19961008
Manifest ID:	95786874
Trans EPA ID:	CAD983641598
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.273
Waste Quantity:	65
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19960709
Creation Date:	5/30/1997 0:00:00
Receipt Date:	19960712
Manifest ID:	95792213
Trans EPA ID:	CAD983641598

EXXONMOBIL OIL CORPORATION #18576 (Continued) **S113043652**

Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.378
Waste Quantity:	90
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19960612
Creation Date:	5/30/1997 0:00:00
Receipt Date:	19960621
Manifest ID:	96222041
Trans EPA ID:	CAD983641598
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.2646
Waste Quantity:	63
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19960327
Creation Date:	10/16/1996 0:00:00
Receipt Date:	19960329
Manifest ID:	96215335
Trans EPA ID:	CAD983641598
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001

EXXONMOBIL OIL CORPORATION #18576 (Continued) **S113043652**

Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.315
Waste Quantity:	75
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19960106
Creation Date:	5/21/1997 0:00:00
Receipt Date:	19970107
Manifest ID:	96657353
Trans EPA ID:	CAD983641598
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.1932
Waste Quantity:	46
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1995
Gen EPA ID:	CAL000056293
Shipment Date:	19950626
Creation Date:	4/2/1996 0:00:00
Receipt Date:	19950627
Manifest ID:	95445147
Trans EPA ID:	CAD983641598
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.252
Waste Quantity:	60
Quantity Unit:	G
Additional Code 1:	Not reported

EXXONMOBIL OIL CORPORATION #18576 (Continued) **S113043652**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950306
Creation Date:	3/29/1996 0:00:00
Receipt Date:	19950306
Manifest ID:	95353667
Trans EPA ID:	CAD983641598
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.7518
Waste Quantity:	179
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1994
Gen EPA ID:	CAL000056293
Shipment Date:	19940223
Creation Date:	9/15/1995 0:00:00
Receipt Date:	19940228
Manifest ID:	93364267
Trans EPA ID:	CAT080016116
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	Not reported
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080011059
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.84
Waste Quantity:	200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

EXXONMOBIL OIL CORPORATION #18576 (Continued) **S113043652**

Additional Info:

Year:	1993
Gen EPA ID:	CAL000056293
Shipment Date:	19930506
Creation Date:	9/1/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	92733261
Trans EPA ID:	CAD095146296
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080011059
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	1.386
Waste Quantity:	330
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930216
Creation Date:	9/15/1995 0:00:00
Receipt Date:	19930217
Manifest ID:	91641922
Trans EPA ID:	CAD095146296
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080011059
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080011059
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	1.533
Waste Quantity:	365
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930121
Creation Date:	9/6/1995 0:00:00
Receipt Date:	19930122
Manifest ID:	92327116
Trans EPA ID:	CAD982495608

EXXONMOBIL OIL CORPORATION #18576 (Continued) **S113043652**

Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	1.2474
Waste Quantity:	297
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

K73 **EASTEGATE AUTOMOTIVE** **UST** **U003782341**
SE **6011 CHAPMAN AVE** **SWEEPS UST** **N/A**
1/8-1/4 **GARDEN GROVE, CA 92845**
0.244 mi.
1290 ft. **Site 25 of 36 in cluster K**

Relative:
Higher

Actual:
33 ft.

UST:

Name:	EASTEGATE AUTOMOTIVE
Address:	6011 CHAPMAN AVE
City,State,Zip:	GARDEN GROVE, CA 92845
Facility ID:	3144
Permitting Agency:	ORANGE COUNTY
CERSID:	Not reported
Latitude:	33.78845
Longitude:	-118.02809
Owner type:	Not reported
Facility type:	Not reported
Num of inuse ust:	Not reported
Num of closed ust:	Not reported
Num of oos ust:	Not reported
Epa region:	Not reported
Tribal lands:	Not reported
Tank owner name:	Not reported
Tank owner mailing address:	Not reported
Tank owner mailing city:	Not reported
Tank owner mailing zip:	Not reported
Tank owner mailing state:	Not reported
Tank operator name:	Not reported
Tank operator mailing address:	Not reported
Tank operator mailing city:	Not reported
Tank operator mailing zip:	Not reported
Tank operator mailing state:	Not reported
Tankidnumber:	Not reported
Tank status:	Not reported
Tank configuration:	Not reported
Tank closure date:	Not reported
Tank installation date:	Not reported
Tank num of compartments:	Not reported
Tank contents:	Not reported

EASTEGATE AUTOMOTIVE (Continued) **U003782341**

Tank capacity gallons:	Not reported
Tank type:	Not reported
Tank pc construction:	Not reported
Tank pwpiping construction:	Not reported
Tank piping type:	Not reported
Tank piping construction:	Not reported
Tank sacrificial anode:	Not reported
Tank cp impressed current:	Not reported
Tank cp shutoff:	Not reported
Tank alarms:	Not reported
Tank ball float:	Not reported
Tank spill bucket:	Not reported

SWEEPS UST:

Name:	EASTEGATE AUTOMOTIVE
Address:	6011 CHAPMAN AVE
City:	GARDEN GROVE
Status:	Active
Comp Number:	3144
Number:	9
Board Of Equalization:	44-016012
Referral Date:	09-30-92
Action Date:	09-15-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	30-000-003144-000001
Tank Status:	A
Capacity:	550
Active Date:	Not reported
Tank Use:	PETROLEUM
STG:	P
Content:	Not reported
Number Of Tanks:	4

Name:	EASTEGATE AUTOMOTIVE
Address:	6011 CHAPMAN AVE
City:	GARDEN GROVE
Status:	Active
Comp Number:	3144
Number:	9
Board Of Equalization:	44-016012
Referral Date:	09-30-92
Action Date:	09-15-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	30-000-003144-000003
Tank Status:	A
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Name:	EASTEGATE AUTOMOTIVE
Address:	6011 CHAPMAN AVE
City:	GARDEN GROVE

EASTEGATE AUTOMOTIVE (Continued) **U003782341**

Status:	Active
Comp Number:	3144
Number:	9
Board Of Equalization:	44-016012
Referral Date:	09-30-92
Action Date:	09-15-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	30-000-003144-000004
Tank Status:	A
Capacity:	8000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	DIESEL
Number Of Tanks:	Not reported

Name:	EASTEGATE AUTOMOTIVE
Address:	6011 CHAPMAN AVE
City:	GARDEN GROVE
Status:	Active
Comp Number:	3144
Number:	9
Board Of Equalization:	44-016012
Referral Date:	09-30-92
Action Date:	09-15-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	30-000-003144-000005
Tank Status:	A
Capacity:	8000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	LEADED
Number Of Tanks:	Not reported

J74 **PERLMAN, JUSTIN** **RCRA NonGen / NLR** **1025833817**
NNE **11535 JAVA STREET** **CAC003013395**
1/8-1/4 **CYPRESS, CA 90630**
0.245 mi.
1291 ft. **Site 6 of 6 in cluster J**

Relative:
Higher

Actual:
35 ft.

RCRA Listings:

Date Form Received by Agency:	20190503
Handler Name:	Perlman, Justin
Handler Address:	11535 JAVA STREET
Handler City,State,Zip:	CYPRESS, CA 90630
EPA ID:	CAC003013395
Contact Name:	PERLMAN, JUSTIN
Contact Address:	11535 JAVA STREET
Contact City,State,Zip:	CYPRESS, CA 90630
Contact Telephone:	612-216-3969
Contact Fax:	Not reported
Contact Email:	ANDREWC@PWSEI.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported

PERLMAN, JUSTIN (Continued) **1025833817**

Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	11535 JAVA STREET
Mailing City,State,Zip:	CYPRESS, CA 90630
Owner Name:	Perlman, Justin
Owner Type:	Other
Operator Name:	Perlman, Justin
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20190627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:
Owner/Operator Indicator: Operator

PERLMAN, JUSTIN (Continued) **1025833817**

Owner/Operator Name: PERLMAN, JUSTIN
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 11535 JAVA STREET
Owner/Operator City,State,Zip: CYPRESS, CA 90630
Owner/Operator Telephone: 612-216-3969
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: PERLMAN, JUSTIN
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 11535 JAVA STREET
Owner/Operator City,State,Zip: CYPRESS, CA 90630
Owner/Operator Telephone: 612-216-3969
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20190503
Handler Name: PERLMAN, JUSTIN
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

K75
SE
1/8-1/4
0.245 mi.
1294 ft.

Site 26 of 36 in cluster K

Relative:
Higher

Actual:
32 ft.

SCHAPERS UNOCAL
12001 VALLEY VIEW ST
GARDEN GROVE, CA 92645

LUST
CERS HAZ WASTE
SWEEPS UST
CERS TANKS
CA FID UST
CERS

1000726506
N/A

ORANGE CO. LUST:

Name:	TOSCO - 76 #5013
Address:	12001 VALLEY VIEW ST
City,State,Zip:	GARDEN GROVE, CA 92845-1723
Region:	ORANGE
Facility Id:	99UT058
Current Status:	Closed
Type of Closure:	Closure certification issued
Released Substance:	Not reported
Date Closed:	06/30/2011
File Location:	Local Agency

CERS HAZ WASTE:

Name:	S&M VALLEY VIEW 76, LLC
Address:	12001 VALLEY VIEW ST
City,State,Zip:	GARDEN GROVE, CA 92845
Site ID:	2220
CERS ID:	10410289
CERS Description:	Hazardous Waste Generator

SWEEPS UST:

Name:	SCHAPERS UNOCAL
Address:	12001 VALLEY VIEW ST
City:	GARDEN GROVE
Status:	Active
Comp Number:	3146
Number:	9
Board Of Equalization:	44-001057
Referral Date:	09-30-92
Action Date:	09-15-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	30-000-003146-000001
Tank Status:	A
Capacity:	280
Active Date:	Not reported
Tank Use:	PETROLEUM
STG:	P
Content:	Not reported
Number Of Tanks:	3

Name:	SCHAPERS UNOCAL
Address:	12001 VALLEY VIEW ST
City:	GARDEN GROVE
Status:	Active
Comp Number:	3146
Number:	9
Board Of Equalization:	44-001057
Referral Date:	09-30-92
Action Date:	09-15-92
Created Date:	02-29-88

SCHAPERS UNOCAL (Continued) **1000726506**

Owner Tank Id:	Not reported
SWRCB Tank Id:	30-000-003146-000003
Tank Status:	A
Capacity:	12000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Name:	SCHAPERS UNOCAL
Address:	12001 VALLEY VIEW ST
City:	GARDEN GROVE
Status:	Active
Comp Number:	3146
Number:	9
Board Of Equalization:	44-001057
Referral Date:	09-30-92
Action Date:	09-15-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	30-000-003146-000004
Tank Status:	A
Capacity:	12000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

CERS TANKS:

Name:	S&M VALLEY VIEW 76, LLC
Address:	12001 VALLEY VIEW ST
City,State,Zip:	GARDEN GROVE, CA 92845
Site ID:	2220
CERS ID:	10410289
CERS Description:	Underground Storage Tank

CA FID UST:

Facility ID:	30006851
Regulated By:	UTNKA
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	7148919704
Mail To:	Not reported
Mailing Address:	911 WILSHIRE BLVD STE 10
Mailing Address 2:	Not reported
Mailing City,St,Zip:	GARDEN GROVE 92645
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

SCHAPERS UNOCAL (Continued) **1000726506**

CERS:

Name:	S&M VALLEY VIEW 76, LLC
Address:	12001 VALLEY VIEW ST
City,State,Zip:	GARDEN GROVE, CA 92845
Site ID:	2220
CERS ID:	10410289
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	2220
Site Name:	S&M Valley View 76, LLC
Violation Date:	12-22-2014
Citation:	HSC 6.7 25284 - California Health and Safety Code, Chapter 6.7, Section(s) 25284
Violation Description:	Failure to obtain and maintain a valid operation permit from the CUPA.
Violation Notes:	Returned to compliance on 02/04/2016. An updated UST permit was not present during this inspection. Please provide a copy of the UST permit to this agency within 30 days from receipt of this report.
Violation Division:	Orange County Environmental Health
Violation Program:	UST
Violation Source:	CERS,

Site ID:	2220
Site Name:	S&M Valley View 76, LLC
Violation Date:	12-22-2014
Citation:	23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description:	Failure to maintain on site an approved monitoring plan.
Violation Notes:	Returned to compliance on 02/04/2016. A monitoring plan must be updated and electronically submitted within 30 days of receipt of this report.
Violation Division:	Orange County Environmental Health
Violation Program:	UST
Violation Source:	CERS,

Site ID:	2220
Site Name:	S&M Valley View 76, LLC
Violation Date:	12-22-2014
Citation:	23 CCR 16 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2711(a)(8)
Violation Description:	Failure to submit, obtain approval, or maintain a complete/accurate plot plan.
Violation Notes:	Returned to compliance on 02/04/2016. The facility plot plan must be electronically submitted within 30 days from receipt of this report.
Violation Division:	Orange County Environmental Health
Violation Program:	UST
Violation Source:	CERS,

Site ID:	2220
Site Name:	S&M Valley View 76, LLC
Violation Date:	12-21-2015
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description:	Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.

SCHAPERS UNOCAL (Continued) **1000726506**

Violation Notes:	Returned to compliance on 06/12/2017. Annual employee training records was not maintained on site. Facility must conduct and document annual training for employees as specified in the employee training plan. Violation must be corrected immediately. A follow-up inspection will be conducted in 30 days.
Violation Division:	Orange County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	2220
Site Name:	S&M Valley View 76, LLC
Violation Date:	01-27-2022
Citation:	23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description:	Failure to retain a copy of the permit to operate at the facility.
Violation Notes:	Returned to compliance on 04/26/2022. UST Permit to Operate available on site expired 6/30/2021. Need to obtain a copy of the Permit and place in Compliance Notebook and/or post in a visible location. Complete in 30 days and notify this inspector.
Violation Division:	Orange County Environmental Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	2220
Site Name:	S&M Valley View 76, LLC
Violation Date:	12-21-2015
Citation:	23 CCR 16 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)
Violation Description:	Failure to maintain records of repairs, lining, and upgrades on site, or off site if approved by the CUPA, for the life of the underground storage tank and/or failure to maintain written monitoring and maintenance records on site, or off site if approved by the CUPA, for a period of 3 years, 6 1/2 years for cathodic protection, and 5 years for written performance claims pertaining to release detection systems and calibration and maintenance records for such systems.
Violation Notes:	Returned to compliance on 02/04/2016. The most current Secondary Containment Testing (SB989) report was not maintained on site. Please obtain a copy of the latest SB989 report and maintain a copy on site. Violation must be corrected immediately. A follow-up inspection will be conducted in 30 days.
Violation Division:	Orange County Environmental Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	2220
Site Name:	S&M Valley View 76, LLC
Violation Date:	12-21-2015
Citation:	Un-Specified
Violation Description:	UST Program - Administration/Documentation - For use of Local Ordinance only
Violation Notes:	Returned to compliance on 02/17/2016. Documentation for current employee training was not available for review. Please maintain current employee training records on site and make available for review. Violation must be corrected immediately. A follow-up inspection will be conducted in 30 days.
Violation Division:	Orange County Environmental Health
Violation Program:	UST

SCHAPERS UNOCAL (Continued) **1000726506**

Violation Source: CERS,

Site ID: 2220
Site Name: S&M Valley View 76, LLC
Violation Date: 12-22-2014
Citation: HSC 6.7 25286(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25286(a)
Violation Description: Failure to submit an complete and accurate application for a permit to operate an underground storage tank, or for renewal of the permit.
Violation Notes: Returned to compliance on 02/04/2016. An updated CUPA UST operating permit application to this agency within 30 days from receipt of this report.
Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 2220
Site Name: S&M Valley View 76, LLC
Violation Date: 12-19-2017
Citation: HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Description: Failure to test the spill bucket annually.
Violation Notes: Returned to compliance on 01/03/2018. The spill buckets were last tested on 12-15-16. Please schedule the spill bucket testing immediately. Notify this Agency at least 48 hours prior to the testing event.
Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 2220
Site Name: S&M Valley View 76, LLC
Violation Date: 12-21-2015
Citation: 23 CCR 16 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2711(a)(8)
Violation Description: Failure to submit, obtain approval, or maintain a complete/accurate plot plan.
Violation Notes: Returned to compliance on 02/04/2016. The monitoring site plan is not current and/or accurate. The monitoring site plan must include, at a minimum, the following information: layout of tanks & piping, monitoring system control panels, sensors monitoring tank, annular spaces, sumps, and dispenser pans, spill containers, mechanical or electronic line leak detectors, in-tank liquid level probes, and date map was drawn. Please update the site plan electronically and maintain a copy on site. Violation must be corrected immediately. A follow-up inspection will be conducted in 30 days.
Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 2220
Site Name: S&M Valley View 76, LLC
Violation Date: 01-27-2022
Citation: 23 CCR 16 2715(a)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)(2)
Violation Description: Failure to submit the Underground Storage Tank Statement of Understanding and Compliance Form.

SCHAPERS UNOCAL (Continued) **1000726506**

Violation Notes:	Returned to compliance on 04/26/2022. UST Statement of Understanding & Compliance was submitted on CERS, however not able to locate copy on site. Need to print and place in UST Compliance Notebook, then notify this inspector in next 30 days when completed.
Violation Division:	Orange County Environmental Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	2220
Site Name:	S&M Valley View 76, LLC
Violation Date:	12-21-2015
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 06/12/2017. Site map is not complete and/or accurate. Please update the site map to include the following information: locations of water, gas, and electrical shutoff; storm drains and sewer (if applicable); emergency response equipment, emergency staging area; hazardous materials storage area. Site map must be electronically submitted with updates immediately. A follow-up inspection will be conducted in 30 days.
Violation Division:	Orange County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	2220
Site Name:	S&M Valley View 76, LLC
Violation Date:	01-03-2018
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 03/07/2018. The facility has not submitted the Hazardous Materials Inventory Chemical Description page for the Propane tank (500 gls) and the Carbon Dioxide Dewars (3420 cuft, also combine the 87 and 91 gasoline to one disclosure to the CUPA. CORRECTIVE ACTION: Complete and submit the Hazardous Materials Inventory Chemical Description page for all materials listed above electronically in the California Environmental Reporting System (CERS).
Violation Division:	Orange County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	2220
Site Name:	S&M Valley View 76, LLC
Violation Date:	01-25-2023
Citation:	HSC 6.95 25505(c) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(c)
Violation Description:	Failure to have a business plan readily available to personnel of the business or the unified program facility with responsibilities for emergency response or training.
Violation Notes:	Returned to compliance on 01/25/2023. A copy of the facility s Hazardous Materials Business Plan (HMBP) has not been maintained on site readily available for review.

SCHAPERS UNOCAL (Continued) **1000726506**

Violation Division: Orange County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 2220
Site Name: S&M Valley View 76, LLC
Violation Date: 08-20-2013
Citation: 23 CCR 16 2715 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715
Violation Description: The owner/operator has failed to comply with one or more of the following: to maintain a copy of the designated operator monthly inspections for the last 12 months and/or maintain a list of trained employees on-site or off-site at a readily available location, if approved by the CUPA.
Violation Notes: Returned to compliance on 12/21/2015. Informed 3 employees are currently at this location. Documentation maintained on site indicates 1 employee was last trained on 3/29/2012 and 2 employees on 5/31/2012. Regulations require DO training be performed annually or within 30 days of being hired. Complete required training and provide a copy of the documentation to this inspector within 30 days.
Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 2220
Site Name: S&M Valley View 76, LLC
Violation Date: 12-22-2014
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 01/30/2016. The certificate of financial responsibility must be electronically submitted within 30 days from receipt of this report.
Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 2220
Site Name: S&M Valley View 76, LLC
Violation Date: 01-03-2018
Citation: 23 CCR 16 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2711(a)(8)
Violation Description: Failure to submit or maintain a current facility plot plan.
Violation Notes: Returned to compliance on 12/24/2019. The UST Plot plan was missing the piping runs on the map. Please submit a current plot plan to an approved electronic reporting database within 30 days. UST documents must be submitted via the e-Submit Portal at https://www.esubmit.ocgov.com/home/ or through the California Electronic Reporting System (CERS). The plot plan must show the location of the of the underground storage tank(s), piping, auxiliary equipment, monitoring system panel, sensors, leak detectors, ATGs and other monitoring equipment, as applicable.
Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS,

SCHAPERS UNOCAL (Continued) **1000726506**

Site ID:	2220
Site Name:	S&M Valley View 76, LLC
Violation Date:	12-22-2014
Citation:	23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description:	Failure to submit, obtain approval, or maintain a complete/accurate response plan.
Violation Notes:	Returned to compliance on 02/04/2016. A response plan must be updated and electronically submitted within 30 days from receipt of this report.
Violation Division:	Orange County Environmental Health
Violation Program:	UST
Violation Source:	CERS,

Site ID:	2220
Site Name:	S&M Valley View 76, LLC
Violation Date:	01-27-2022
Citation:	23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description:	Failure to submit a current UST Response Plan available on site.
Violation Notes:	Returned to compliance on 04/26/2022. Response Plan was submitted on CERS, however not available on site. Need to place copy of Response Plan in UST Compliance Notebook. Notify this inspector within 30 days when completed.
Violation Division:	Orange County Environmental Health
Violation Program:	UST
Violation Source:	CERS,

Site ID:	2220
Site Name:	S&M Valley View 76, LLC
Violation Date:	12-21-2015
Citation:	23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description:	Failure to maintain on site an approved monitoring plan.
Violation Notes:	Returned to compliance on 02/04/2016. The updated/accurate monitoring plan was not maintained on site. Please obtain a copy of the most updated and accurate monitoring plan and maintain a copy on site. Violation must be corrected immediately. A follow-up inspection will be conducted in 30 days.
Violation Division:	Orange County Environmental Health
Violation Program:	UST
Violation Source:	CERS,

Site ID:	2220
Site Name:	S&M Valley View 76, LLC
Violation Date:	10-19-2022
Citation:	23 CCR 16 2637(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637(f)
Violation Description:	Failure to submit a copy of the secondary containment test results on the Secondary Containment Testing report Form to the UPA within 30 days after the test.
Violation Notes:	Returned to compliance on 01/24/2023. Secondary Containment Testing Report Form was not submitted to this Agency within 30 days of completion of the test, 08/18/2022.
Violation Division:	Orange County Environmental Health
Violation Program:	UST
Violation Source:	CERS,

SCHAPERS UNOCAL (Continued) **1000726506**

Site ID:	2220
Site Name:	S&M Valley View 76, LLC
Violation Date:	01-25-2023
Citation:	23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description:	Failure to retain a copy of the permit to operate at the facility.
Violation Notes:	Returned to compliance on 01/26/2023. UST Permit to Operate (PTO) on site expired on 6/30/2021, and the current PTO could not be located at the time of the inspection.
Violation Division:	Orange County Environmental Health
Violation Program:	UST
Violation Source:	CERS,

Site ID:	2220
Site Name:	S&M Valley View 76, LLC
Violation Date:	12-22-2014
Citation:	HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Description:	Failure to test the spill bucket annually.
Violation Notes:	Returned to compliance on 02/04/2016. The spill buckets must be tested immediately. Please send results to this agency as soon as they become available.
Violation Division:	Orange County Environmental Health
Violation Program:	UST
Violation Source:	CERS,

Site ID:	2220
Site Name:	S&M Valley View 76, LLC
Violation Date:	12-19-2017
Citation:	23 CCR 16 2715(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(i)
Violation Description:	Failure to have a properly qualified service technician test leak detection equipment as required every 12 months (vapor, pressure, hydrostatic (VPH) system, sensors, line-leak detectors (LLD), automatic tank gauge (ATG), etc.).
Violation Notes:	Returned to compliance on 01/03/2018. The monitoring system was last certified on 12-15-16. Please schedule the certification of the monitoring system immediately. Notify this Agency at least 48 hours prior to the testing event.
Violation Division:	Orange County Environmental Health
Violation Program:	UST
Violation Source:	CERS,

Site ID:	2220
Site Name:	S&M Valley View 76, LLC
Violation Date:	01-02-2018
Citation:	23 CCR 16 2715(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(f)(2)
Violation Description:	Failure to have at least one facility employee present during operating hours that has been trained in the proper operation and maintenance of the UST system by a designated operator (DO).
Violation Notes:	Returned to compliance on 01/22/2020. Please submit proof that facility employees have received the annual Designated Operator training from the Designated UST Operator to this Agency for review within 30 days.
Violation Division:	Orange County Environmental Health
Violation Program:	UST

SCHAPERS UNOCAL (Continued) **1000726506**

Violation Source: CERS,

Site ID: 2220
Site Name: S&M Valley View 76, LLC
Violation Date: 12-21-2015
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 01/30/2016. UST Letter from the Chief Financial Officer (CFO) is not current and/or complete. Please update the CFO letter electronically and maintain a copy on site. Violation must be corrected immediately. A follow-up inspection will be conducted in 30 days.
Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 2220
Site Name: S&M Valley View 76, LLC
Violation Date: 01-25-2023
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes: Returned to compliance on 01/25/2023. Facility s emergency contact information, submitted on 1/24/23, was observed to be inaccurate.
Violation Division: Orange County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 2220
Site Name: S&M Valley View 76, LLC
Violation Date: 01-27-2022
Citation: 23 CCR 16 2715(c)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)(2)
Violation Description: Failure to have at least one facility employee present during operating hours that has been trained in the proper operation and maintenance of the UST system by a designated operator (DO).
Violation Notes: Returned to compliance on 04/26/2022. Training certification for only 2 employees was available on site in UST Compliance notebook. Only properly trained employees by the DO must be on site during operation of the UST System. All employees present and responsible for operation of the UST system must be immediately trained before working alone. Provide updated training documentation to this inspector in the next 30 days.
Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 2220
Site Name: S&M Valley View 76, LLC

SCHAPERS UNOCAL (Continued) **1000726506**

Violation Date:	01-25-2023
Citation:	40 CFR 1 262.34(d)(5)(iii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(iii)
Violation Description:	Failure to ensure that all employees are thoroughly familiar with proper waste handling and emergency procedures, relevant to their responsibilities during normal facility operations and emergencies.
Violation Notes:	Per the employees on site, no training pertaining to hazardous waste management has been conducted. The employees were not aware of any hazardous waste storage on site, and could not locate the necessary documentations.
Violation Division:	Orange County Environmental Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	2220
Site Name:	S&M Valley View 76, LLC
Violation Date:	12-15-2016
Citation:	23 CCR 16 2715(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(f)
Violation Description:	Failure to have at least one employee present during operating hours that has been trained in the proper operation and maintenance of the UST system by a designated operator (DO).
Violation Notes:	Returned to compliance on 08/09/2018. Employee training must be conducted on an annual basis. Please do so immediately and email verification that this has been conducted.
Violation Division:	Orange County Environmental Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	2220
Site Name:	S&M Valley View 76, LLC
Violation Date:	01-27-2022
Citation:	23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description:	Failure to have current UST Monitoring Plan available on site.
Violation Notes:	Returned to compliance on 04/26/2022. UST Tank Information and Monitoring Plan for each tank was submitted on CERS and accepted, however a copy of all UST submittals need to be maintained on site in Environmental Compliance notebook. Complete in 30 days and notify this inspector.
Violation Division:	Orange County Environmental Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	2220
Site Name:	S&M Valley View 76, LLC
Violation Date:	08-20-2013
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 08/20/2013. Observed a metal 55-gallon drum by dumpster, informed it contains fuel contaminated water. During inspection placed a hazardous waste label with generator information and accumulation start date on drum. Violation Corrected.

SCHAPERS UNOCAL (Continued) **1000726506**

Violation Division:	Orange County Environmental Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	2220
Site Name:	S&M Valley View 76, LLC
Violation Date:	12-22-2014
Citation:	HSC 6.7 25284(a)(3) - California Health and Safety Code, Chapter 6.7, Section(s) 25284(a)(3)
Violation Description:	Failure to submit, maintain, or implement an owner/operator written agreement.
Violation Notes:	Returned to compliance on 02/04/2016. The owner/operator written agreement must be electronically submitted within 30 days from receipt of this report.
Violation Division:	Orange County Environmental Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	2220
Site Name:	S&M Valley View 76, LLC
Violation Date:	01-25-2023
Citation:	22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description:	Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.
Violation Notes:	Copies of hazardous waste manifests for the past three years were not available for review at the time of the inspection.
Violation Division:	Orange County Environmental Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	2220
Site Name:	S&M Valley View 76, LLC
Violation Date:	12-21-2015
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 06/12/2017. The following materials were observed in amounts that meet or exceed the minimum volumes required for disclosure and were either inaccurately disclosed or was not included in previous disclosure report. - Gasoline (all grades) were observed 32,000 35,000 gallons) - Liquid Carbon Dioxide (48 gallons) - Propane (500 gallons) - Cleantouch Detergent (60 gallons) Please electronically update the hazardous materials inventory disclosure immediately. A follow-up inspection will be conducted in 30 days.
Violation Division:	Orange County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	2220
Site Name:	S&M Valley View 76, LLC
Violation Date:	01-03-2018

SCHAPERS UNOCAL (Continued) **1000726506**

Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 03/07/2018. The annotated site map has not been completed properly. The site map is missing the Propane and Carbon Dioxide locations. CORRECTIVE ACTION: Complete an annotated site map and submit electronically in the California Environmental Reporting System (CERS) within 30 days.
Violation Division: Orange County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 01-30-2023
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Received a copy of the current UST Permit to Operate (PTO). Facility confirmed the PTO is placed in the UST binder. Violation 2030078 cited on 1/25/23 corrected. Please maintain a copy of the current UST permit on site at all times per 23 CCR 16 2712(i). A copy of this report was emailed to the facility at markawwad@yahoo.com.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-16-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed electronic submittal of tank documents for the facility. Documents were denied due to incorrect information.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-21-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Received passing overfill prevention testing test results dated 1-29-19 Facility has two USTs one 87 one 91. Both have flapper valves. Received passing monitor cert and spill bucket test results dated 1-29-19. Testing witnessed by M Sutphin. Plot plan included on test results
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-03-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed and not accepted by M Sutphin. The tank Installation date must be completed on the UST tank information pages. If the installation date is unknown 1-1-1900 can be entered as a default

SCHAPERS UNOCAL (Continued) **1000726506**

date. Amend your site plot plan to show piping from UST's to dispensers. Resubmit within 30 days.

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-20-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: reviewed file
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-11-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: SB989 notification
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-19-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: reviewed file and went to site but monitor cert was canceled
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-25-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Monitor cert notification
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 12-10-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: SB 989 test notification
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-15-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On site to witness annual monitor certification and to conduct a routine UST inspection. Met with Mark Awwad of S&M LLC and Jose

SCHAPERS UNOCAL (Continued) **1000726506**

Coronel of LAN Testing. Mr. Coronel conducted the tank testing, monitor system certification, and spill bucket testing. Mr. Coronel s ICC, VMI, and Veeder-Root certifications were observed and verified. The facility contains: - (1) 20,000 gallon double walled UST and (1) 15,000 gallon double walled UST containing regular and supreme gasoline, respectively. The USTs are continuously monitored by a Veeder-Root TLS-350 system. Alarm history and set-up tape was reviewed during this inspection. The panel read all functions normal. USTs contain: - Ball float and ATG for overfill protection. The following were tested: - All sump and annular sensors tested sent alarm to the Veeder Root panel and shut down turbine. - UDC Sensors sent alarm to the veeder-root panel and shut down turbine. - Fail Safe , Sensor Out , and [Truncated]

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 12-16-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: SB 989 test notification
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 12-21-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-22-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On site to conduct the final tank modification inspection, to witness the annual monitor certification, and to conduct a routine UST inspection. Met with president Mark Awwaad of Valley View 76 and Freddy Colonel of LAN Testing. Mr. Colonel conducted the tank testing and monitor system certification. Mr. Colonels ICC, Vaporless, and Veeder-Root certifications were observed and verified. The facility contains (1) 20,000 gallon double-walled UST containing regular gasoline and (1) 15,000 gallon double-walled UST containing Premium gasoline monitored by a Veeder-Root TLS-350 system. The USTs use a flapper valve for the overfill protection. An ATG is also used as secondary overfill. The following tested and PASSED: - The STP Sump, Fill Sump, annular, and UDC sensors initiated positive shutdown to the turbines when tested in water. - All sensors set off an alarm on the Veeder-Root panel. - Fail Safe , Sensor Out , and Emergency Shut-Off switch the [Truncated]
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

SCHAPERS UNOCAL (Continued) **1000726506**

Eval General Type: Other/Unknown
Eval Date: 12-24-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: The HMBEP submittal was reviewed in CERS and was not accepted. See comments below: "Please revise and resubmit within 30 days. The following hazardous materials were not disclosed and/or inaccurately disclosed. Please correct the following: - Gasoline: should be reported as one chemical for all grades. Largest tank on site is 20,000 gallons in capacity. - Propane- 500 gallons; need to disclose. - Liquid Carbon Dioxide- 48 gallons; need to disclose. - Cleantouch Detergent - 60 gallons; need to disclose. For your site map please include the locations of water, gas, and electrical shutoffs, storm drains and sewers, emergency response equipment, emergency staging area, and hazardous material storage area. If you have any questions please contact me at minh.le@ochca.com or 714-720-1327. Thank you. Minh Le."
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 12-24-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: CERS submittal reviewed and accepted by M Sutphin. UST installation dated 9-8-1999 listed . CFR dated 2-11-19
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-20-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Mark Sutphin on-site for routine inspection. Permission to enter, inspect, and take photographs granted by Mark Awwad Facility generates fuel contaminated water and absorbent. Facility has active EPA ID# CAL000367743 Hazardous Waste receipts from Enviroserv made available and reviewed HW containers properly labeled and stored closed Emergency numbers posted at site Inspected trash/dumpster and it does not appear to contain any hazardous waste. The perimeter of the facility was also inspected; no obvious signs of releases were noted.
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-24-2023
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: The following document was received by this Agency: - Secondary Containment Testing Report Form dated 08/18/2022 All components were tested and PASSED. Violation 2010009, cited on 10/19/2022, has been corrected. A copy of this report was emailed to the facility at markawwad@yahoo.com.
Eval Division: Orange County Environmental Health

SCHAPERS UNOCAL (Continued) **1000726506**

Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-25-2023
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On site for routine UST inspection, monitor system certification, and spill bucket testing. Facility has two USTs (20K-gal regular gasoline and 15K-gal Diesel) monitored by a Veeder Root TLS-350. Monitoring system is operational for audible and visual alarms. Panel display indicates all functions normal. Positive shutdown and fail-safe programming were verified. Flapper valves are used for overfill prevention. Testing was conducted by Zee Aldoyan of Robertson Testing Inc. Technician certifications (VR, ICC, VMI) were verified. Please submit test results to this Agency within 30 days. Sensors: - Tank annulars: 409 - Turbine sumps: 208 - Fill sumps: 208 - UDCs: 208 The following documents were available for review: monitoring plan, leak response plan, test reports, maintenance records, DO monthly report, and DO annual employee training records. Secondary containment testing was last conducted on 8/18/22. Overfill prevention inspection was last conducted on 1/20/21. Both secondary
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-25-2023
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On site to conduct a routine hazardous waste inspection. Consent to enter and inspect granted by Mike Awwad, Facility Manager. Facility is a small quantity generator of fuel-contaminated wastes. Inspection of hazardous waste storage could not be conducted, as employees on site at the time of the inspection had no knowledge of the location and types of hazardous wastes being stored at the facility. Follow up attempts to reach the operator have been unsuccessful. Inspected the municipal trash for hazardous waste. No hazardous waste was observed in the dumpster. Hazardous waste manifests were not available for review. A copy of this report was emailed to the facility at markawwad@yahoo.com.
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-29-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Mark Sutphin on site to conduct a routine hazardous waste inspection. Permission to enter, inspect, and take photographs granted by the manager Mark Awwad Facility EPA ID # is CAL000367743 Municipal dumpster area does not appear to contain any hazardous waste. The perimeter of the facility was also inspected; no obvious signs of releases were noted. Emergency Response Information was available for review. No hazardous waste observed at site this date. When hazardous waste is stored at site each container and portable tank holding

SCHAPERS UNOCAL (Continued) **1000726506**

hazardous waste must be marked with the following information: 1. "HAZARDOUS WASTE" 2. Waste (name) 3. Hazardous property of the waste (e.g. - toxic, flammable, corrosive, etc.) 4. Physical state of the waste (liquid or solid) 5. Name and address of the business 6. The Accumulation start date Manifestsreviewed at site.. Facility has submitted business emergency plan on CERS.

Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 02-04-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed and not accepted by M Sutphin. The Owner statement of Designated Operator must be signed and dated by the owner and the date must be with in two years. the form submitted was not dated ..

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-07-2023
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: The following document was received by this Agency: - Monitoring System Certification Form dated 1/25/2023 - Spill Container Testing Report Form dated 1/25/2023 All components were tested and PASSED. Emailed a copy of this report to markawwad@yahoo.com.

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-08-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed CERS 10410289 dated 6-8-15 and did not accept since tank two info did not state isolation for corrosion protection ..

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-30-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Plan Check.

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-20-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On site to conduct a routine hazardous waste inspection. Met with and

SCHAPERS UNOCAL (Continued) **1000726506**

obtained consent from Nick Hadad, Station Attendant. Two 5-gallon buckets on site for containing absorbed fuel spills. Containers had lids and were empty. Observed a 55-gallon metal drum near dumpster with about 10 gallons of liquid, informed by Mr. Hadad this contains water removed from sumps. Drum was labeled and dated during the inspection. Walked facility and perimeter; inspected municipal trash - did not observed any hazardous waste. Manifests for disposal of oily water last disposed on 11/3/2011 was available for review. Calculated and updated annual hazardous waste stream volumes. Hazardous waste emergency response information posted on site. This facility was identified as a Special Generator, generating waste oil and oil filters. The shop is now a smog check center and no longer generates oily waste. Since this facility generates fuel contaminated waste, it then qualifies as a [Truncated]

Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-03-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Submitted RUR to change PE from 5110 to 5111.
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-15-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Per review of file Do training performed at site violation abated Violation 70I161 is still active The UST Information pages do not list the date of installation for the USTs 1-1-1900 may be used for the installation default date. You must resubmit UST information pages on CERs to abate this violation
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-15-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: reviewed file no active violations for HMBP
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-21-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Monitor cert notification
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

SCHAPERS UNOCAL (Continued) **1000726506**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-20-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Mark Sutphin on site for UST and monitor certification inspection. Met with Mark Awwad the manager this date. I Witnessed the annual monitoring certification performed by Zamik of RTI testing . I reviewed certifications for testing and they were up to date. Four (4) VR 208 sensors, Two (2) VR 409 annular sensors were tested and appeared to alarm at the monitoring panel. The six (6) UDCs have 208 sensors. There are two (2) FE Petro mechanical line leak detectors. Both passed the testing this date. Flapper valves in the fill risers provide overfill protection. UST compliance binder was reviewed this date: DO Training was completed CFR dated 1-11-21 CUPA forms, monitoring plan, leak response plan at site Secondary Containment testing conducted on 8-29-19 Overfill prevention certification testing passed 1-29-19 DO inspections are being conducted monthly.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-21-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: INSPECTOR COMMENTS On site for a routine hazardous waste inspection. Consent to inspect and take any necessary photos was given by Mark Awwad, Manager. Walked throughout the facility. Observed hazardous waste storage areas. No hazardous waste present on site at the time of the inspection. Manifests were available and reviewed. Employees are reported to be trained. Emergency plan is available in the compliance binder. The dumpster/enclosure was observed. No hazardous waste violations were observed this date.
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 12-21-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-04-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: CERS submittal reviewed and accepted by M Sutphin. UST installation dated 9-8-1999 listed . CFR dated 2-5-21, and UST statement of understanding submitted 2-5-21
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

SCHAPERS UNOCAL (Continued) **1000726506**

Eval General Type: Other/Unknown
Eval Date: 06-12-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed the facility's report history and outstanding violations. The facility received violation I651 12/15/16 for not having employee designated operator training records available for review, and again on 1/3/18. CERS ID 10410289 Underground Storage Tank submittal dated 1/12/18 was 6/12/18. Amend you monitoring site plan to show piping from tanks to UDC's. Also, on tank information pages the tank installation date field must be completed. If the date of installation is unknown you may use 1/1/1900. Please make these required changes to your CERS UST submittal and resubmit within 30 days. Please forward copies of employee designated operator training for 2018 to Justin Bechara at jbechara@ochca.com within 30 days. A copy of this report was sent to Sam Elhilu, AandHGasInc@yahoo.com, and Mark Awwad, markawwad@yahoo.com.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-12-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Monitor certification notification
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-20-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed CERS list dated 7/15/13, identified submittal was last done on 3/6/13, however under the ownership of A&H Gas, Inc. Revised inspection report to insure UST information is submitted and to question difference in ownership.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-20-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On site to inspect tank sumps, dispenser containment (UDC) sumps, and review required documentation during the annual monitoring system certification testing, leak detector testing, and spill bucket testing. Met with Station Attendant, Nick Hadad, to review documentation, and L.A.N. Testing Service Technician, Freddy Coronel (ICC Service Tech #8017757, exp. 9/2014; Veeder Root Certified #B36866, exp. 8/2014; Vaporless Manufacturing #2498, exp. 10/2013; and Incon Level 4 Sump Test Cert. #4122993701, exp. 7/2015), who conducted the testing. This inspector did not observe testing by Mr. Coronel. On site to observe and visually verify, upon arrival, tank sumps and UDC sumps are dry and sensors are located at the lowest point in the

SCHAPERS UNOCAL (Continued) **1000726506**

sumps. Verified the secondary containment pipes to be open to the turbine sumps. Site has one 20,000 gallon double-wall fiberglass UST for regular unleaded fuel and one 15,000 gallon double-wall fiberglass UST for premium unleaded fuel with [Truncated]

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-08-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: On Site to witness the primary piping inspection and pressure test. All primary piping for the 87 grade, 91 grade, and vapor were pressurized to 60 psi. All gauges were checked and partially opened to verify actual pressure in the lines. All 90s, 45s, and other connections were sprayed with soap water to verify no leaks in the system. The Primary piping passed the pressure test.

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-19-2022
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Secondary containment test results were not sent to this agency within 30 days of the test conducted on 08/18/2022. Submit test results to this agency immediately.

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-26-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed HMBEP submission package on CERS, DENIED. Request for resubmittal within 30 days

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 12-19-2017
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: The facility has not conducted the annual monitoring system certification test. The UST Monitoring system including the Spill buckets are required to be tested annually. The last test was conducted 12-15-16 and is passed due. (see Violations) Ensure this agency is contacted through the UST notifications email at USTNotifications@ochca.com to schedule the Monitoring system certification including the spill bucket testing. Please contact Brian Erdman at 714-720-1635 if you have any questions.

Eval Division: Orange County Environmental Health
Eval Program: UST

SCHAPERS UNOCAL (Continued) **1000726506**

Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-03-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: As the Manager Mark Awaad, the site has not generated any hazardous waste since operating the facility.
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-03-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: The facility has the following Hazardous Materials stored above the reportable volume: -Gasoline -Carbon Dioxide -Propane Ensure the Hazardous Materials Inventory and the site map are updated in CERS.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-20-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On-site for routine inspection. Met with Mark Awwad the manager this date. I Witnessed the annual monitoring certification performed by Zee I reviewed certifications for testing and they were up to date. The overfill testing was also performed this date. Four (4) VR 208 sensors, Two (2) VR 409 annular sensors were tested and appeared to alarm at the monitoring panel. The six (6) UDCs have 208 sensors. There are two (2) FE Petro mechanical line leak detectors. Both passed the testing this date. Flapper valves in the fill risers provide overfill protection. UST compliance binder was reviewed this date: DO Training was completed CFR up to date CUPA forms, monitoring plan, leak response plan at site Secondary Containment testing is up to date DO inspections are being conducted monthly. Current UST Permit on-site.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-22-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Mark Sutphin on site for UST and monitor certification inspection. Met with Mark Awwad the manager this date. I Witnessed the annual monitoring certification performed by Zamik of RTI testing . I reviewed certifications for testing and they were up to date. Four (4) VR 208 sensors, Two (2) VR 409 annular sensors were tested and appeared to alarm at the monitoring panel. The six (6) UDCs have 208 sensors. There are two (2) FE Petro mechanical line leak detectors. Both passed the testing this date. Flapper valves in the fill risers provide overfill protection. UST compliance binder was reviewed this

SCHAPERS UNOCAL (Continued) **1000726506**

date: DO Training was completed CFA up to date CUPA forms, monitoring plan, leak response plan at site Secondary Containment testing conducted on 8-29-19 Overfill prevention certification testing passed 1-29-19 DO inspections are being conducted monthly. Current UST Permit on-site.

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-27-2022
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Annual Underground Storage Tank Monitoring Certification Inspection performed. Service Tech was Zarmik Aldoyan with Robertson Testing, all ICC & manufacturer certs were current. Facility has 2 double wall fiberglass USTs: 20,000 gals for Regular (87) and 15,000 gals for Premium (91) unleaded gasoline; both continually monitored with Veeder Root (VR) TLS-350 system. Monitoring of tank annulars are with VR-409 wrap around sensors, turbine/piping & fill sumps with VR-208 sensors, and UDCs (6) & vent transition sump also with VR-208 sensors. Verified sumps were dry, sensors located at lowest point, and secondary piping open to sumps. Overfill protection provided by mechanical flapper valves. Mechanical line leak detectors were tested at 3 gph leak rate. Spill buckets for both USTs were hydrostatically tested for 1 hour with 5 gals. of water. Informed all monitoring equipment tested passed. Sensor Out & Fail Safe tests also passed. Sensors were tagged & placed at [Truncated]
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 02-17-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed and accepted by M Sutphin DO statement dated 2-4-16 ..
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 02-18-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: For your site map, please upload a map that has the layout of the entire facility including the location of the Hazardous materials, the evacuation staging area, the emergency response equipment, electrical, water, and natural gas shut off, and adjacent buildings and streets. If you have any questions please contact me at anesbit@ochca.com or 714-640-4249. Thank you
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-07-2015

SCHAPERS UNOCAL (Continued) **1000726506**

Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Changed business owner name from GE & S Inc to S&M Valle View 76, LLC
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-20-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Mark Sutphin on-site for a routine hazmat facility inspection Permission to enter, inspect, and take photographs granted by Mark Awwad Facility has submitted HMBP documentation on CERS 10410289 Facility has reported gasoline and propane Hazmat disclosure appears correct. Facility has implemented hazmat business plan and employee receive training
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-09-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: On site to conduct an Underground Storage Tank followup inspection. Consent to inspect was provided by Moe Ismael, Manager. The following violations remain outstanding: I651 Failure to conduct Designated Operator (DO) training to at least one employee on site and have a training log/records available for review, cited on 12/15/16 and again on 1/3/18. I161 Failure to submit a complete and accurate site plot plan, cited on 1/3/18. To comply with these violations do the following: for your site plot plan, amend the map to show piping runs from tanks to dispensers and resubmit to CERS within 30 days. For your DO employee training, submit a record to this Agency showing employees are receiving annual training within 30 days. CERS ID 10410289 UST submittal dated 1/12/18 was declined on 6/12/18. Please correct the following: Tank installation date fields must be completed. If the installation date is unknown, 1/1/1900 may be used as a default. Correct this on [Truncated]
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-10-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 11:00am: On Site for a Piping secondary inspection with Corona Fueling and Electric. Met with Danny Corona of Corona Fuel and Testing. UST certifications were verified on this date. New UDCs, dispensers, and piping were replaced under permit # SR0124186. Arrived on site to find secondary piping pressurized to 6 PSI on all piping runs. Piping was pressurized for 30 minutes. All 90s, 45s, and connectors were soaped to verify no pressure leaks existed. Secondary testing = PASS It has been noted that electronic reporting has not been completed or submitted. Please do so immediately in order to close out Permit.

SCHAPERS UNOCAL (Continued) **1000726506**

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-03-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Review of facility page in CERS accepted
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 12-21-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-21-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: INSPECTOR COMMENT: On site for routine UST inspection, monitoring system certification, and spill bucket testing. Consent to inspect was given by Mark Awwad. Testing of monitoring equipment was performed by Jose Coronel of LAN Testing, all ICC and manufacturer certifications were current. This inspector was not on site to observe all testing by the technician. The facility has two, double-walled tanks (87 and 91) monitored by a Veeder Root TLS350 system. The monitor is operational for audible and visual alarms. Panel display reads all functions normal . All sensors were placed in the lowest point of the sump and UDCs. Visually verified tank sumps and UDC sumps are dry and sensors are located at the lowest point in the sumps. Six dispensers with single-wall UDCs, the turbine/piping sump, and fill sump are all monitored with Veeder Root 208 sensors. The annular space of the tanks are monitored with the Veeder Root 409 sensors. Mechanical line leak detectors are [Truncated]
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-21-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: INSPECTOR COMMENTS On site for routine hazardous materials and business emergency plan inspection. Permission to enter and inspect was given by Mark Awwad, Manager. Observed the facility and inspected hazardous materials storage. The following materials were observed in amounts that meet or exceed the minimum volumes required for disclosure: - Gasoline, all grades (32,000 35,000 gallons) discrepancies found file regarding the capacity of the tanks, please verify. Also, please report all grades as one chemical. - Liquid

SCHAPERS UNOCAL (Continued) **1000726506**

Carbon Dioxide (48 gallons) - Propane (500 gallons) - Cleantouch Detergent (60 gallons) All hazardous materials listed above are either disclosed at an inaccurate amount or are over reportable quantities but have not been disclosed. Please electronically update the hazardous materials inventory disclosure immediately. Site map is not complete and/or accurate. Please update the site map to include the following information: of water, [Truncated]

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 12-24-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Updated waste stream

Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 12-24-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: UST documents not accepted in CERS The following documents were received: UST Facility Page UST Tank Pages, 2 tanks (87 & 91) (incomplete) Monitoring Plan (incomplete) Leak Response Plan Facility Diagram (incomplete) Designated Operator Statement: DO is Emery Shen; exp 9/13/16 Monitoring system certification dated: 12/21/2015 Secondary containment test report dated: 12/19/14 (no test report or notes on file, verified on UST calendar) Letter from CFO is expired (also incomplete) CERS UST submittal was reviewed not accepted. See comments below: "Hello, your UST CERS submittal was not accepted. Please see the comments below, verify or update, and re-submit: UST CERS Review: - Correct the Tank 2 information for corrosion protection to yes for isolation - Xerxes tanks and VR-409 sensors are not compatible with primary steel tanks. Please verify and update for both Tank 1 & Tank 2. - The field Date UST System Installed is a required field for both tanks, [Truncated]

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-03-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On site for routine UST inspection, monitoring system certification, and spill bucket testing. The facility has 2 double-walled tanks (87, 91) monitored by a Veeder Root TLS-350R system. The site has double-walled pressurized piping with mechanical line leak detectors. Positive shutdown and fail safe programming were verified. Flapper valves are used for overfill prevention. Testing was conducted by Farid Asi of C and H Testing l. Tester certifications (VR, ICC, VMI) were verified. Please submit the test reports to this Agency within 30 days. Secondary containment testing was last conducted on 8/27/16. It must be tested every 36 months. The annual employee training from the

SCHAPERS UNOCAL (Continued) **1000726506**

Designated Operator has not been conducted (see violation). A review in CERS was conducted today. The site map is missing the piping runs on the map (see violation). The Designated Operator form was updated. The tank page is missing the Install Date. Please update.

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-09-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Received and reviewed a copy of the test results from the Monitoring System Certification and the spill bucket testing report form, conducted by Farid Asi of C&H Fuels on 1-3-18. The following components passed testing: - UDC 1-12 VR 208 sensors -Fill sump Sensors -Annular Sensors -STP sump sensors -Leak Detectors - Fill side spill buckets Thank you

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-23-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: This is an in-office inspection report to document the submittal of the annual monitoring system certification test results for the testing conducted on 12-15-16 by Jose Coronel of LAN Testing Inc. The results included the following: - The Monitoring System Certification - All components tested received a pass. - Fail Safe and Sensor Out and ESO passed. - UST site map -Mechanical Leak detector passed. -Spill Bucket Test results - All fill side spill buckets passed testing Please note that the violation I651 issued 12-15-16 remains outstanding at this time. Please forward a copy of the employee UST training provided by the Designated Operator. Please call or email me if you have any questions. (berdman@gmail.com 714-720-1635)

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-25-2023
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On site to conduct a routine hazardous materials inspection. Consent to enter and inspect granted by Mike Awwad, Facility Manager. Walked throughout the facility and inspected hazardous materials storage. The following hazardous materials were observed in quantities that exceed the required disclosure thresholds: - 500-gal Propane - 20,000-gal Regular unleaded gasoline - 15,000-gal Diesel The facility is responsible for identifying all hazardous materials, including hazardous wastes, whose quantities exceed the disclosure thresholds (55 gallons liquid; 500 lbs solid; 200 cu.ft. flammable gas; and 1,000 cu.ft. non-flammable gas). Pursuant to the California Health and Safety Code, handlers are required to update and resubmit their Hazardous Materials Business Plan (HMBP) within 30 days of one of the

SCHAPERS UNOCAL (Continued) **1000726506**

following changes: A 100 percent or more increase in the quantity of a previously disclosed material; Any handling of a previously undisclosed hazardous material; A change of

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-29-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: 12001 valley view On-site for routine inspection. Met with Mark Awwad the manager this date. I Witnessed the annual monitoring certification performed by Paul Magana. I reviewed certifications for testing and they were up to date. The overfill testing was also performed this date. Four (4) VR 208 sensors, Two (2) VR 409 annular sensors were tested and appeared to alarm at the monitoring panel. The six (6) UDCs have 208 sensors. There are two (2) FE Petro mechanical line leak detectors. Both passed the testing this date. Flapper valves in the fill risers provide overfill protection. UST compliance binder was reviewed this date: DO Training was completed 9-6-18 CFA up to date CUPA forms, monitoring plan, leak response plan at site Secondary Containment testing conducted on 8-27-16 and is due by 8-27-19 DO inspections are being conducted monthly. Current UST Permit on-site.

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-29-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Mark Sutphin at siyte for hazmat facility inspection . Facility reprts gasoline and carbon dioxide. Hazmat business plan appears correct. plan has been implemented and training is performed .

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-27-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: This compliance inspection is being conducted to verify the placement of missing paperwork on site. Observed the following: - permit to operate is on site - violation I015 is abated - current monitoring plan on site - violation I421 is abated - current leak response plan is on site - violation I673 is abated. Business has submitted a Statement of Compliance and Understanding to CERS. Violation I007 is voided. Business meets the requirement to have one trained employee on site. Violation I651 is voided. Site is in compliance at this time.

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-12-2018

SCHAPERS UNOCAL (Continued) **1000726506**

Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: CERS ID 10410289 HMBP submittal dated 1/12/18 was reviewed 3/7/18. The hazardous materials inventory and site map were accepted with a comment left to update federal hazard categories for the next submission. Violations I632 (inadequate site map) and I169 (inadequate hazmat inventory) were complied with on 3/7/18. These violations are corrected. The facility has no outstanding hazmat disclosure violations.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Coordinates:
Site ID: 2220
Facility Name: S&M Valley View 76, LLC
Env Int Type Code: HWG
Program ID: 10410289
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 33.788110
Longitude: -118.028920

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Orange County Env Health
Entity Title: Not reported
Affiliation Address: 1241 East Dyer RoadSuite 120
Affiliation City: Santa Ana
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92705-5611
Affiliation Phone: (714) 433-6406,

Affiliation Type Desc: Legal Owner
Entity Name: S&M Valley View 76, LLC
Entity Title: Not reported
Affiliation Address: 12001 VALLEY VIEW STREET
Affiliation City: GARDEN GROVE
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92845
Affiliation Phone: (714) 898-9456,

Affiliation Type Desc: Operator
Entity Name: S&M Valley View 76, LLC
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (661) 255-7125,

Affiliation Type Desc: UST Permit Applicant
Entity Name: Mark Awaad

SCHAPERS UNOCAL (Continued) **1000726506**

Entity Title:	Operator
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(714) 898-9456,

Affiliation Type Desc:	Document Preparer
Entity Name:	MARK AWWAD
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Identification Signer
Entity Name:	Mark Awwad
Entity Title:	Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	UST Tank Operator
Entity Name:	S&M Valley View 76, LLC
Entity Title:	Not reported
Affiliation Address:	12001 VALLEY VIEW STREET
Affiliation City:	GARDEN GROVE
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92845
Affiliation Phone:	(661) 255-7125,

Affiliation Type Desc:	UST Tank Owner
Entity Name:	S&M Valley View 76, LLC
Entity Title:	Not reported
Affiliation Address:	12001 VALLEY VIEW STREET
Affiliation City:	GARDEN GROVE
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92845
Affiliation Phone:	(661) 255-7125,

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	12001 VALLEY VIEW STREET
Affiliation City:	GARDEN GROVE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92845
Affiliation Phone:	,

SCHAPERS UNOCAL (Continued) **1000726506**

Affiliation Type Desc:	Parent Corporation
Entity Name:	S M LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Environmental Contact
Entity Name:	Zarmik Aldoyan
Entity Title:	Not reported
Affiliation Address:	150 S. Glenoaks Blvd #9200
Affiliation City:	Burbank
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91502
Affiliation Phone:	,

Affiliation Type Desc:	Property Owner
Entity Name:	S&M Valley View 76, LLC
Entity Title:	Not reported
Affiliation Address:	12001 VALLEY VIEW STREET
Affiliation City:	GARDEN GROVE
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92845
Affiliation Phone:	(661) 255-7125,

Affiliation Type Desc:	UST Property Owner Name
Entity Name:	S&M Valley View 76, LLC
Entity Title:	Not reported
Affiliation Address:	12001 VALLEY VIEW STREET
Affiliation City:	GARDEN GROVE
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92845
Affiliation Phone:	(661) 255-7125,

K76 **UNION OIL SERVICE STATION LEAS** **HIST UST** **U001577160**
SE **12001 VALLEY VIEW** **N/A**
1/8-1/4 **GARDEN GROVE, CA 92641**
0.245 mi.
1294 ft. **Site 27 of 36 in cluster K**

Relative:
Higher

Actual:
32 ft.

HIST UST:

Name:	UNION OIL SERVICE STATION LEAS
Address:	12001 VALLEY VIEW
City,State,Zip:	GARDEN GROVE, CA 92641
File Number:	0002d6ea
URL:	https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/0002d6ea.pdf
Region:	STATE
Facility ID:	00000056270
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	DEAN L. SKILES

UNION OIL SERVICE STATION LEAS (Continued) **U001577160**

Telephone:	7148978417
Owner Name:	UNION OIL COMPANY OF CALIFORNI
Owner Address:	3701 WILSHIRE BOULEVARD - SUIT
Owner City,St,Zip:	LOS ANGELES, CA 90010
Total Tanks:	0003
Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00000300
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	002
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	003
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00000180
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	None

Click here for Geo Tracker PDF:

K77 **TOSCO - 76 #5013** **LUST** **S108203498**
SE **12001 VALLEY VIEW** **N/A**
1/8-1/4 **GARDEN GROVE, CA 92845**
0.245 mi.
1294 ft. **Site 28 of 36 in cluster K**

Relative: LUST:
Higher

Actual:
32 ft.

Name:	TOSCO - 76 #5013
Address:	12001 VALLEY VIEW
City,State,Zip:	GARDEN GROVE, CA 92845
Lead Agency:	ORANGE COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605926780
Global Id:	T0605926780
Latitude:	33.78801
Longitude:	-118.028933
Status:	Completed - Case Closed
Status Date:	06/30/2011
Case Worker:	Not reported
RB Case Number:	Not reported
Local Agency:	Not reported
File Location:	Local Agency
Local Case Number:	99UT058

TOSCO - 76 #5013 (Continued) **S108203498**

Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
EPA Region:	9
Coordinate Source:	Manual Entry on Screens
Cuf Case:	YES
Quantity Released Gallons:	0
Begin Date:	08/26/1999
Leak Reported Date:	11/11/1999
How Discovered:	Tank Closure
How Discovered Description:	Not reported
Discharge Source:	Tank
Discharge Cause:	Not reported
Stop Method:	Close and Replace Tank
Stop Description:	Not reported
No Further Action Date:	06/30/2011
CA Water Watershed Name:	Santa Ana River - Lower Santa Ana River - East Coastal Plain (801.11)
Dwr Groundwater Subbasin Name:	Coastal Plain Of Orange County (8-001)
Disadvantaged Community:	Not reported
CA Enviroscreen 3 Score:	26-30%
CA Enviroscreen 4 Score:	40-45%
Military DOD Site:	No
Facility Project Subtype:	Not reported
RWQCB Region:	SANTA ANA RWQCB (REGION 8)
Site History:	Please refer to recent Site Documents or Monitoring Reports in GeoTracker for site history. Orange County is not responsible for the accuracy of any professional interpretations provided in reports submitted by consultants for the responsible party.

LUST:

Global Id:	T0605926780
Action Type:	ENFORCEMENT
Date:	01/18/2007
Action:	Staff Letter

Global Id:	T0605926780
Action Type:	Other
Date:	08/26/1999
Action:	Leak Discovery

Global Id:	T0605926780
Action Type:	REMEDIATION
Date:	08/26/1999
Action:	Excavation

Global Id:	T0605926780
Action Type:	ENFORCEMENT
Date:	06/16/2005
Action:	Staff Letter

Global Id:	T0605926780
Action Type:	ENFORCEMENT
Date:	05/31/2006
Action:	Staff Letter

Global Id:	T0605926780
Action Type:	ENFORCEMENT
Date:	06/29/2022
Action:	Historic Files

TOSCO - 76 #5013 (Continued) **S108203498**

Global Id: T0605926780
Action Type: ENFORCEMENT
Date: 07/13/2009
Action: Staff Letter

Global Id: T0605926780
Action Type: ENFORCEMENT
Date: 03/30/2011
Action: Notification - Preclosure

Global Id: T0605926780
Action Type: ENFORCEMENT
Date: 06/30/2011
Action: Staff Letter

Global Id: T0605926780
Action Type: ENFORCEMENT
Date: 12/29/2010
Action: Staff Letter

Global Id: T0605926780
Action Type: Other
Date: 08/26/1999
Action: Leak Began

Global Id: T0605926780
Action Type: Other
Date: 11/11/1999
Action: Leak Reported

Global Id: T0605926780
Action Type: ENFORCEMENT
Date: 12/29/2010
Action: Staff Letter

Global Id: T0605926780
Action Type: ENFORCEMENT
Date: 06/30/2011
Action: LOP Case Closure Summary to RB

Global Id: T0605926780
Action Type: ENFORCEMENT
Date: 06/30/2011
Action: Closure/No Further Action Letter

LUST:
Global Id: T0605926780
Status: Open - Case Begin Date
Status Date: 08/26/1999

Global Id: T0605926780
Status: Open - Site Assessment
Status Date: 11/11/1999

Global Id: T0605926780
Status: Open - Site Assessment
Status Date: 06/02/2000

TOSCO - 76 #5013 (Continued) **S108203498**

Global Id: T0605926780
Status: Open - Site Assessment
Status Date: 03/20/2001

Global Id: T0605926780
Status: Completed - Case Closed
Status Date: 06/30/2011

Name: UNOCAL #5013
Address: 12001 VALLEY VIEW
City,State,Zip: GARDEN GROVE, CA 92645
Lead Agency: ORANGE COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605901851
Global Id: T0605901851
Latitude: 33.7881537021316
Longitude: -118.02891254425
Status: Completed - Case Closed
Status Date: 10/18/1996
Case Worker: Not reported
RB Case Number: 083002668T
Local Agency: Not reported
File Location: Local Agency
Local Case Number: 95UT023
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
EPA Region: 9
Coordinate Source: * Historical Geocode - Exact Address Match
Cuf Case: NO
Quantity Released Gallons: 0
Begin Date: 10/19/1994
Leak Reported Date: 10/19/1994
How Discovered: Tank Closure
How Discovered Description: Not reported
Discharge Source: Not reported
Discharge Cause: Not reported
Stop Method: Close and Remove Tank
Stop Description: Not reported
No Further Action Date: 10/18/1996
CA Water Watershed Name: Santa Ana River - Lower Santa Ana River - East Coastal Plain (801.11)
Dwr Groundwater Subbasin Name: Coastal Plain Of Orange County (8-001)
Disadvantaged Community: Not reported
CA Enviroscreen 3 Score: 16-20%
CA Enviroscreen 4 Score: 40-45%
Military DOD Site: No
Facility Project Subtype: Not reported
RWQCB Region: SANTA ANA RWQCB (REGION 8)
Site History: Not reported

LUST:
Global Id: T0605901851
Action Type: ENFORCEMENT
Date: 06/29/2022
Action: Historic Files

Global Id: T0605901851
Action Type: Other

TOSCO - 76 #5013 (Continued) **S108203498**

Date: 10/19/1994
Action: Leak Discovery

Global Id: T0605901851
Action Type: Other
Date: 10/19/1994
Action: Leak Reported

LUST:
Global Id: T0605901851
Status: Open - Case Begin Date
Status Date: 10/19/1994

Global Id: T0605901851
Status: Completed - Case Closed
Status Date: 10/18/1996

ORANGE CO. LUST:
Name: UNOCAL #5013
Address: 12001 VALLEY VIEW ST
City,State,Zip: GARDEN GROVE, CA 92845-1723
Region: ORANGE
Facility Id: 95UT023
Current Status: Closed
Type of Closure: Closure certification issued
Released Substance: Not reported
Date Closed: 10/18/1996
File Location: Local Agency

K78 **SERVICE STATION 5013** **HIST UST** **U001577150**
SE **12001 VALLEY VIEW** **N/A**
1/8-1/4 **GARDEN GROVE, CA 92641**
0.245 mi.
1294 ft. **Site 29 of 36 in cluster K**

Relative:
Higher

Actual:
32 ft.

HIST UST:
Name: SERVICE STATION 5013
Address: 12001 VALLEY VIEW
City,State,Zip: GARDEN GROVE, CA 92641
File Number: 0002d5f9
URL: https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/0002d5f9.pdf
Region: STATE
Facility ID: 00000016765
Facility Type: Gas Station
Other Type: Not reported
Contact Name: DEAN L SKILES
Telephone: 2135497581
Owner Name: UNION OIL COMPANY OF CALIFORNI
Owner Address: 3701 WILSHIRE BOULEVARD-SUITE
Owner City,St,Zip: LOS ANGELES, CA 90010
Total Tanks: 0003

Tank Num: 001
Container Num: 5013-4
Year Installed: 1963
Tank Capacity: 00000280

SERVICE STATION 5013 (Continued) **U001577150**

Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, Pressure Test

Tank Num:	002
Container Num:	5013-2
Year Installed:	1983
Tank Capacity:	00011855
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, Pressure Test

Tank Num:	003
Container Num:	5013-1
Year Installed:	1983
Tank Capacity:	00011855
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, Pressure Test

Click here for Geo Tracker PDF:

K79 **SCHAPERS UNOCAL INC** **RCRA-SQG** **1000166915**
SE **12001 VALLEY VIEW ST** **FINDS** **CAD981648983**
1/8-1/4 **GARDEN GROVE, CA 92841** **ECHO**
0.245 mi.
1294 ft. **Site 30 of 36 in cluster K**

Relative:
Higher

Actual:
32 ft.

RCRA Listings:

Date Form Received by Agency:	19910722
Handler Name:	Schapers Unocal Inc
Handler Address:	12001 VALLEY VIEW ST
Handler City,State,Zip:	GARDEN GROVE, CA 92841
EPA ID:	CAD981648983
Contact Name:	TERRY SCHAPER
Contact Address:	12001 VALLEY VIEW
Contact City,State,Zip:	GARDEN GROVE, CA 92641
Contact Telephone:	714-891-9704
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Other
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Ca
State District:	4
Mailing Address:	12001 VALLEY VIEW ST
Mailing City,State,Zip:	GARDEN GROVE, CA 92841
Owner Name:	Terry Schaper
Owner Type:	Private
Operator Name:	Not Required

SCHAPERS UNOCAL INC (Continued) **1000166915**

Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: NOT REQUIRED	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner

SCHAPERS UNOCAL INC (Continued) **1000166915**

Owner/Operator Name: TERRY SCHAPER
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 12001 VALLEY VIEW
Owner/Operator City,State,Zip: GARDEN GROVE, CA 92645
Owner/Operator Telephone: 714-891-9704
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19910722
Handler Name: SCHAPERS UNOCAL INC
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Ca
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110006472968

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
The Resource Conservation and Recovery Act Information System (RCRAInfo) is EPA's comprehensive information system in support of the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. It tracks many types of information about generators, transporters, treaters, storers, and disposers of hazardous waste.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000166915
Registry ID: 110006472968
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110006472968
Name: SCHAPERS UNOCAL INC

SCHAPERS UNOCAL INC (Continued) **1000166915**

Address: 12001 VALLEY VIEW ST
City,State,Zip: GARDEN GROVE, CA 92841

K80
SE
1/8-1/4
0.245 mi.
1294 ft.

VALLEY VIEW 76 **UST** **U003913347**
12001 VALLEY VIEW ST **N/A**
GARDEN GROVE, CA 92845

Site 31 of 36 in cluster K

Relative:
Higher

Actual:
32 ft.

ORANGE CO. UST:
Name: VALLEY VIEW 76
Address: 12001 VALLEY VIEW ST
City,State,Zip: GARDEN GROVE, Ca 92845-1723
Facility ID: FA0056205
Notes: Not reported

K81
SE
1/8-1/4
0.245 mi.
1294 ft.

VALLEY VIEW 76 **RCRA NonGen / NLR** **1024831314**
12001 VALLEY VIEW ST **CAL000367743**
GARDEN GROVE, CA 92845

Site 32 of 36 in cluster K

Relative:
Higher

Actual:
32 ft.

RCRA Listings:

Date Form Received by Agency:	20110922
Handler Name:	Valley View 76
Handler Address:	12001 VALLEY VIEW ST
Handler City,State,Zip:	GARDEN GROVE, CA 92845
EPA ID:	CAL000367743
Contact Name:	MARK AWWAD
Contact Address:	12001 VALLEY VIEW ST
Contact City,State,Zip:	GARDEN GROVE, CA 92845-0000
Contact Telephone:	714-902-7114
Contact Fax:	000-000-0000
Contact Email:	ELHILU@SBCGLOBAL.NET
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	12001 VALLEY VIEW ST
Mailing City,State,Zip:	GARDEN GROVE, CA 92845-0000
Owner Name:	Valley View 76
Owner Type:	Other
Operator Name:	Mark Awwad
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No

VALLEY VIEW 76 (Continued) **1024831314**

Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20181220
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: MARK AWWAD	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12001 VALLEY VIEW ST
Owner/Operator City,State,Zip:	GARDEN GROVE, CA 92845-0000
Owner/Operator Telephone:	714-902-7114
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: VALLEY VIEW 76	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12001 VALLEY VIEW ST
Owner/Operator City,State,Zip:	GARDEN GROVE, CA 92845-0000
Owner/Operator Telephone:	714-902-7114

VALLEY VIEW 76 (Continued) **1024831314**

Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20110922
Handler Name: VALLEY VIEW 76
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: Not reported
Recognized Trader Exporter: Not reported
Spent Lead Acid Battery Importer: Not reported
Spent Lead Acid Battery Exporter: Not reported
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 44719
NAICS Description: OTHER GASOLINE STATIONS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

K82 **TOSCO - 76 #5013** **LUST** **S102440305**
SE **12001 VALLEY VIEW** **Cortese** **N/A**
1/8-1/4 **GARDEN GROVE, CA 92845** **HIST CORTESE**
0.245 mi. **HWTS**
1294 ft. **Site 33 of 36 in cluster K** **HAZNET**
CERS

Relative:
Higher

Actual:
32 ft.

LUST REG 8:
Name: UNOCAL #5013
Address: 12001 VALLEY VIEW
City: GARDEN GROVE
Region: 8
County: Orange
Regional Board: Santa Ana Region
Facility Status: Case Closed
Case Number: 083002668T
Local Case Num: 95UT023
Case Type: Soil only
Substance: Gasoline
Qty Leaked: 0
Abate Method: Not reported
Cross Street: Not reported
Enf Type: Not reported
Funding: Not reported
How Discovered: Tank Closure
How Stopped: Close Tank
Leak Cause: Unknown

TOSCO - 76 #5013 (Continued) **S102440305**

Leak Source:	Unknown
Global ID:	T0605901851
How Stopped Date:	9/9/9999
Enter Date:	Not reported
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	10/19/1994
Enforcement Date:	Not reported
Close Date:	10/18/1996
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	Not reported
GW Qualifies:	=
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.788302
Longitude:	-118.0285313
MTBE Date:	6/18/2002
Max MTBE GW:	99
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected
MTBE Class:	*
Staff:	NOM
Staff Initials:	SS
Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported

Summary: Not reported

Name:	TOSCO - 76 #5013
Address:	12001 VALLEY VIEW
City:	GARDEN GROVE
Region:	8
County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Pollution Characterization
Case Number:	Not reported
Local Case Num:	99UT058
Case Type:	Other ground water affected
Substance:	Gasoline
Qty Leaked:	0
Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	Not reported
Funding:	Not reported

TOSCO - 76 #5013 (Continued) **S102440305**

How Discovered:	Tank Closure
How Stopped:	New Tank
Leak Cause:	Unknown
Leak Source:	Tank
Global ID:	T0605926780
How Stopped Date:	9/9/9999
Enter Date:	Not reported
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	6/2/2000
Discover Date:	8/26/1999
Enforcement Date:	Not reported
Close Date:	Not reported
Date Prelim Assessment Workplan Submitted:	11/11/1999
Date Pollution Characterization Began:	3/20/2001
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	Not reported
GW Qualifies:	=
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	Not reported
Longitude:	Not reported
MTBE Date:	6/18/2002
Max MTBE GW:	99
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected
MTBE Class:	*
Staff:	NOM
Staff Initials:	SS
Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported

Summary: Not reported

CORTESE:

Name:	TOSCO - 76 #5013
Address:	12001 VALLEY VIEW
City,State,Zip:	GARDEN GROVE, CA 92845
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0605926780
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported

TOSCO - 76 #5013 (Continued) **S102440305**

Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

Name:	UNOCAL #5013
Address:	12001 VALLEY VIEW
City,State,Zip:	GARDEN GROVE, CA 92645
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0605901851
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

HIST CORTESE:

edr_fname:	UNOCAL #5013
edr_fadd1:	12001 VALLEY VIEW
City,State,Zip:	GARDEN GROVE, CA 92641
Region:	CORTESE
Facility County Code:	30
Reg By:	LTNKA
Reg Id:	083002668T

HWTS:

Name:	A & H GAS 1
Address:	12001 VALLEY VIEW ST
Address 2:	Not reported
City,State,Zip:	GARDEN GROVE, CA 92845
EPA ID:	CAL000331009
Inactive Date:	06/30/2008
Create Date:	03/25/2008
Last Act Date:	Not reported

TOSCO - 76 #5013 (Continued) **S102440305**

Mailing Name:	Not reported
Mailing Address:	12001 VALLEY VIEW ST
Mailing Address 2:	Not reported
Mailing City,State,Zip:	GARDEN GROVE, CA 928451723
Owner Name:	ALI FAWAZ
Owner Address:	8 KIRKLAND
Owner Address 2:	Not reported
Owner City,State,Zip:	IRVINE, CA 926020119
Owner Phone:	Not reported
Owner Fax:	Not reported
Contact Name:	ALI FAWAZ
Contact Address:	8 KIRKLAND
Contact Address 2:	Not reported
City,State,Zip:	IRVINE, CA 926020119
Contact Phone:	Not reported
Contact Fax:	Not reported
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	33.788381
Longitude:	-118.028691

NAICS:

EPA ID:	CAL000331009
Create Date:	2008-03-25 13:09:21.510
NAICS Code:	44719
NAICS Description:	Other Gasoline Stations
Issued EPA ID Date:	2008-03-25 13:09:21.48000
Inactive Date:	2008-06-30 00:00:00
Facility Name:	A & H GAS 1
Facility Address:	12001 VALLEY VIEW ST
Facility Address 2:	Not reported
Facility City:	GARDEN GROVE
Facility County:	Not reported
Facility State:	CA
Facility Zip:	928451723

HAZNET:

Name:	A & H GAS 1
Address:	12001 VALLEY VIEW ST
Address 2:	Not reported
City,State,Zip:	GARDEN GROVE, CA 928451723
Contact:	ALI FAWAZ
Telephone:	7147301506
Mailing Name:	Not reported
Mailing Address:	12001 VALLEY VIEW ST
Year:	2013
Gepaid:	CAL000331009
TSD EPA ID:	CAD980675276
CA Waste Code:	611 - Contaminated soil from site clean-up
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	20.06

TOSCO - 76 #5013 (Continued) **S102440305**

Additional Info:

Year:	2013
Gen EPA ID:	CAL000331009
Shipment Date:	20130812
Creation Date:	10/17/2013 22:15:26
Receipt Date:	20130813
Manifest ID:	006096849JJK
Trans EPA ID:	CAD982513632
Trans Name:	DENBESTE TRANSPORTATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS ENVIRONMENTAL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	20.06
Waste Quantity:	17
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CERS:

Name:	UNOCAL #5013
Address:	12001 VALLEY VIEW
City,State,Zip:	GARDEN GROVE, CA 92645
Site ID:	693757
CERS ID:	T0605901851
CERS Description:	Leaking Underground Storage Tank Cleanup Site
Name:	TOSCO - 76 #5013
Address:	12001 VALLEY VIEW
City,State,Zip:	GARDEN GROVE, CA 92845
Site ID:	690992
CERS ID:	T0605926780
CERS Description:	Leaking Underground Storage Tank Cleanup Site

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K83 **VALLEY VIEW 76/S&M LLC** **RCRA NonGen / NLR** **1024864020**
SE **12001 VALLEY VIEW ST** **CAL000432575**
1/8-1/4 **GARDEN GROVE, CA 92845**
0.245 mi.
1294 ft. **Site 34 of 36 in cluster K**

Relative:
Higher

Actual:
32 ft.

RCRA Listings:

Date Form Received by Agency:	20171213
Handler Name:	Valley View 76/S&M Llc
Handler Address:	12001 VALLEY VIEW ST
Handler City,State,Zip:	GARDEN GROVE, CA 92845
EPA ID:	CAL000432575
Contact Name:	MARK AWWAD

VALLEY VIEW 76/S&M LLC (Continued) **1024864020**

Contact Address:	12001 VALLEY VIEW ST
Contact City,State,Zip:	GARDEN GROVE, CA 92845-0000
Contact Telephone:	714-902-7114
Contact Fax:	000-000-0000
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	12001 VALLEY VIEW ST
Mailing City,State,Zip:	GARDEN GROVE, CA 92845-0000
Owner Name:	Esmat El-Hill
Owner Type:	Other
Operator Name:	Mark Awwad
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180907
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No

VALLEY VIEW 76/S&M LLC (Continued) **1024864020**

Exporter of Spent Lead Acid Batteries: No
Recycler Activity Without Storage: No
Manifest Broker: No
Sub-Part P Indicator: No

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: ESMAT EL-HILL
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 24518 W LYONS AVE
Owner/Operator City,State,Zip: NEWHALL, CA 91321
Owner/Operator Telephone: 661-312-7754
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: MARK AWWAD
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 12001 VALLEY VIEW ST
Owner/Operator City,State,Zip: GARDEN GROVE, CA 92845-0000
Owner/Operator Telephone: 714-902-7114
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20171213
Handler Name: VALLEY VIEW 76/S&M LLC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 811111
NAICS Description: GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

K84 SE 1/8-1/4 0.245 mi. 1294 ft. | **UNOCAL #5013**
12001 VALLEY VIEW ST
GARDEN GROVE, CA 92845

Site 35 of 36 in cluster K

UST | **U004346883**
N/A

Relative: Higher

Actual: 32 ft.

UST:

Name:	UNOCAL #5013
Address:	12001 VALLEY VIEW ST
City,State,Zip:	GARDEN GROVE, CA 92845
Facility ID:	3146
Permitting Agency:	ORANGE COUNTY
CERSID:	Not reported
Latitude:	33.789455
Longitude:	-118.02757
Owner type:	Not reported
Facility type:	Not reported
Num of inuse ust:	Not reported
Num of closed ust:	Not reported
Num of oos ust:	Not reported
Epa region:	Not reported
Tribal lands:	Not reported
Tank owner name:	Not reported
Tank owner mailing address:	Not reported
Tank owner mailing city:	Not reported
Tank owner mailing zip:	Not reported
Tank owner mailing state:	Not reported
Tank operator name:	Not reported
Tank operator mailing address:	Not reported
Tank operator mailing city:	Not reported
Tank operator mailing zip:	Not reported
Tank operator mailing state:	Not reported
Tankidnumber:	Not reported
Tank status:	Not reported
Tank configuration:	Not reported
Tank closure date:	Not reported
Tank installation date:	Not reported
Tank num of compartments:	Not reported
Tank contents:	Not reported
Tank capacity gallons:	Not reported
Tank type:	Not reported
Tank pc construction:	Not reported
Tank pwpiping construction:	Not reported
Tank piping type:	Not reported
Tank piping construction:	Not reported
Tank sacrificial anode:	Not reported
Tank cp impressed current:	Not reported
Tank cp shutoff:	Not reported
Tank alarms:	Not reported
Tank ball float:	Not reported
Tank spill bucket:	Not reported

K85 SE 1/8-1/4 0.245 mi. 1294 ft. | **S&M VALLEY VIEW 76, LLC**
12001 VALLEY VIEW ST
GARDEN GROVE, CA 92845 | **UST** | **U004354790**
N/A

Site 36 of 36 in cluster K

Relative: Higher

Actual: 32 ft.

UST:

Name:	S&M VALLEY VIEW 76, LLC
Address:	12001 VALLEY VIEW ST
City,State,Zip:	GARDEN GROVE, CA 92845
Facility ID:	FA0056205
Permitting Agency:	Orange County Environmental Health
CERSID:	10410289
Latitude:	33.7881100
Longitude:	-118.028920
Owner type:	Non-Government
Facility type:	Motor Vehicle Fueling
Num of inuse ust:	Not reported
Num of closed ust:	0
Num of oos ust:	0
Epa region:	9
Tribal lands:	No
Tank owner name:	S&M VALLEY VIEW 76, LLC
Tank owner mailing address:	12001 VALLEY VIEW STREET
Tank owner mailing city:	GARDEN GROVE
Tank owner mailing zip:	92845
Tank owner mailing state:	CA
Tank operator name:	S&M VALLEY VIEW 76, LLC
Tank operator mailing address:	12001 VALLEY VIEW STREET
Tank operator mailing city:	GARDEN GROVE
Tank operator mailing zip:	92845
Tank operator mailing state:	CA
Tankidnumber:	2
Tank status:	Confirmed/Updated Information
Tank configuration:	Stand Alone Tank
Tank closure date:	Not reported
Tank installation date:	9/8/1999 12:00:00 AM
Tank num of compartments:	1
Tank contents:	Premium Unleaded
Tank capacity gallons:	15000
Tank type:	Double Wall
Tank pc construction:	Fiberglass
Tank pwpiping construction:	Fiberglass
Tank piping type:	Pressure
Tank piping construction:	Double Walled
Tank sacrificial anode:	No
Tank cp impressed current:	No
Tank cp shutoff:	Yes
Tank alarms:	No
Tank ball float:	Yes
Tank spill bucket:	Yes

Name:	S&M VALLEY VIEW 76, LLC
Address:	12001 VALLEY VIEW ST
City,State,Zip:	GARDEN GROVE, CA 92845
Facility ID:	FA0056205
Permitting Agency:	Orange County Environmental Health
CERSID:	10410289
Latitude:	33.7881100

S&M VALLEY VIEW 76, LLC (Continued) **U004354790**

Longitude:	-118.028920
Owner type:	Non-Government
Facility type:	Motor Vehicle Fueling
Num of inuse ust:	Not reported
Num of closed ust:	0
Num of oos ust:	0
Epa region:	9
Tribal lands:	No
Tank owner name:	S&M VALLEY VIEW 76, LLC
Tank owner mailing address:	12001 VALLEY VIEW STREET
Tank owner mailing city:	GARDEN GROVE
Tank owner mailing zip:	92845
Tank owner mailing state:	CA
Tank operator name:	S&M VALLEY VIEW 76, LLC
Tank operator mailing address:	12001 VALLEY VIEW STREET
Tank operator mailing city:	GARDEN GROVE
Tank operator mailing zip:	92845
Tank operator mailing state:	CA
Tankidnumber:	1
Tank status:	Confirmed/Updated Information
Tank configuration:	Stand Alone Tank
Tank closure date:	Not reported
Tank installation date:	9/8/1999 12:00:00 AM
Tank num of compartments:	1
Tank contents:	Regular Unleaded
Tank capacity gallons:	20000
Tank type:	Double Wall
Tank pc construction:	Fiberglass
Tank pwpiping construction:	Fiberglass
Tank piping type:	Pressure
Tank piping construction:	Double Walled
Tank sacrificial anode:	No
Tank cp impressed current:	No
Tank cp shutoff:	Yes
Tank alarms:	No
Tank ball float:	Yes
Tank spill bucket:	Yes

M86 **SHELL SERVICE STATION** **HIST CORTESE** **S102437135**
SE **6022** **N/A**
1/4-1/2 **GARDEN GROVE, CA 92645**
0.258 mi.
1362 ft. **Site 1 of 2 in cluster M**

Relative:
Higher

Actual:
33 ft.

HIST CORTESE:

edr_fname:	SHELL SERVICE STATION
edr_fadd1:	6022
City,State,Zip:	GARDEN GROVE, CA 92645
Region:	CORTESE
Facility County Code:	30
Reg By:	LTNKA
Reg Id:	083001071T

M87 SE 1/4-1/2 0.266 mi. 1405 ft. | **SHELL OIL**
6022 CHAPMAN
GARDEN GROVE, CA 92845

Site 2 of 2 in cluster M

LUST
HIST UST
Cortese
CERS

U001577246
N/A

Relative: Higher

Actual: 33 ft.

LUST:

Name:	SHELL OIL
Address:	6022 CHAPMAN
City,State,Zip:	GARDEN GROVE, CA 92845
Lead Agency:	ORANGE COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605900845
Global Id:	T0605900845
Latitude:	33.7882072024946
Longitude:	-118.028110563755
Status:	Completed - Case Closed
Status Date:	03/08/2022
Case Worker:	KB
RB Case Number:	083001071T
Local Agency:	ORANGE COUNTY LOP
File Location:	All Files are on GeoTracker or in the Local Agency Warehouse
Local Case Number:	88UT188
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
EPA Region:	9
Coordinate Source:	Manual Entry on Screens
Cuf Case:	YES
Quantity Released Gallons:	0
Begin Date:	06/03/1988
Leak Reported Date:	10/25/1988
How Discovered:	* SA
How Discovered Description:	Not reported
Discharge Source:	Not reported
Discharge Cause:	Not reported
Stop Method:	Close and Remove Tank
Stop Description:	Not reported
No Further Action Date:	03/08/2022
CA Water Watershed Name:	Santa Ana River - Lower Santa Ana River - East Coastal Plain (801.11)
Dwr Groundwater Subbasin Name:	Coastal Plain Of Orange County (8-001)
Disadvantaged Community:	Not reported
CA Enviroscreen 3 Score:	56-60%
CA Enviroscreen 4 Score:	45-50%
Military DOD Site:	No
Facility Project Subtype:	Not reported
RWQCB Region:	SANTA ANA RWQCB (REGION 8)
Site History:	Please refer to recent Site Documents or Monitoring Reports in GeoTracker for site history. Orange County is not responsible for the accuracy of any professional interpretations provided in reports submitted by consultants for the responsible party.

LUST:

Global Id:	T0605900845
Contact Type:	Regional Board Caseworker
Contact Name:	CHRIS MARINO
Organization Name:	SANTA ANA RWQCB (REGION 8)
Address:	3737 MAIN STREET, SUITE 500
City:	RIVERSIDE
Email:	chris.marino@waterboards.ca.gov
Phone Number:	Not reported

SHELL OIL (Continued) **U001577246**

Global Id: T0605900845
Contact Type: Local Agency Caseworker - Primary Caseworker
Contact Name: KARL BEWLEY
Organization Name: ORANGE COUNTY LOP
Address: 1241 E. Dyer Road
City: SANTA ANA
Email: kbewley@ochca.com
Phone Number: 7144336264

LUST:
Global Id: T0605900845
Action Type: ENFORCEMENT
Date: 06/17/2005
Action: Staff Letter

Global Id: T0605900845
Action Type: ENFORCEMENT
Date: 12/28/2005
Action: Staff Letter

Global Id: T0605900845
Action Type: ENFORCEMENT
Date: 03/16/2010
Action: Staff Letter

Global Id: T0605900845
Action Type: ENFORCEMENT
Date: 06/14/2010
Action: Staff Letter

Global Id: T0605900845
Action Type: ENFORCEMENT
Date: 01/09/2013
Action: File Review - Closure

Global Id: T0605900845
Action Type: ENFORCEMENT
Date: 01/18/2016
Action: Staff Letter

Global Id: T0605900845
Action Type: ENFORCEMENT
Date: 11/02/2018
Action: Staff Letter

Global Id: T0605900845
Action Type: ENFORCEMENT
Date: 05/18/2020
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0605900845
Action Type: ENFORCEMENT
Date: 01/29/2020
Action: Staff Letter

Global Id: T0605900845
Action Type: ENFORCEMENT

SHELL OIL (Continued) **U001577246**

Date: 11/14/2019
Action: Meeting

Global Id: T0605900845
Action Type: RESPONSE
Date: 12/23/2014
Action: Request for Closure - Regulator Responded

Global Id: T0605900845
Action Type: RESPONSE
Date: 09/17/2019
Action: Request for Closure - Regulator Responded

Global Id: T0605900845
Action Type: RESPONSE
Date: 09/04/2018
Action: Request for Closure - Regulator Responded

Global Id: T0605900845
Action Type: RESPONSE
Date: 01/25/2018
Action: Site Investigation Workplan - Regulator Responded

Global Id: T0605900845
Action Type: RESPONSE
Date: 01/25/2018
Action: CAP/RAP - Final Remediation / Design Plan - Regulator Responded

Global Id: T0605900845
Action Type: RESPONSE
Date: 01/21/2020
Action: Site Investigation Workplan - Regulator Responded

Global Id: T0605900845
Action Type: RESPONSE
Date: 09/21/2020
Action: Request for Closure - Regulator Responded

Global Id: T0605900845
Action Type: RESPONSE
Date: 10/23/2020
Action: Other Workplan - Regulator Responded

Global Id: T0605900845
Action Type: REMEDIATION
Date: 08/01/1989
Action: Excavation

Global Id: T0605900845
Action Type: REMEDIATION
Date: 07/01/1992
Action: Pump & Treat (P&T) Groundwater

Global Id: T0605900845
Action Type: REMEDIATION
Date: 07/01/1997
Action: In Situ Physical/Chemical Treatment (other than SVE)

SHELL OIL (Continued) **U001577246**

Global Id: T0605900845
Action Type: REMEDIATION
Date: 10/01/1993
Action: Soil Vapor Extraction (SVE)

Global Id: T0605900845
Action Type: REMEDIATION
Date: 07/07/2011
Action: In Situ Biological Treatment

Global Id: T0605900845
Action Type: REMEDIATION
Date: 09/01/2012
Action: In Situ Biological Treatment

Global Id: T0605900845
Action Type: ENFORCEMENT
Date: 07/06/2007
Action: Staff Letter

Global Id: T0605900845
Action Type: ENFORCEMENT
Date: 04/24/2003
Action: Staff Letter

Global Id: T0605900845
Action Type: ENFORCEMENT
Date: 01/18/2007
Action: Staff Letter

Global Id: T0605900845
Action Type: ENFORCEMENT
Date: 04/24/2007
Action: Staff Letter

Global Id: T0605900845
Action Type: ENFORCEMENT
Date: 11/17/2009
Action: Staff Letter

Global Id: T0605900845
Action Type: ENFORCEMENT
Date: 12/22/2009
Action: Staff Letter

Global Id: T0605900845
Action Type: ENFORCEMENT
Date: 11/03/2014
Action: Staff Letter

Global Id: T0605900845
Action Type: ENFORCEMENT
Date: 05/23/2014
Action: Waste Discharge Requirements

Global Id: T0605900845
Action Type: ENFORCEMENT

SHELL OIL (Continued) **U001577246**

Date: 11/15/2019
Action: Staff Letter

Global Id: T0605900845
Action Type: ENFORCEMENT
Date: 07/14/2009
Action: Staff Letter

Global Id: T0605900845
Action Type: ENFORCEMENT
Date: 07/27/2009
Action: Staff Letter

Global Id: T0605900845
Action Type: ENFORCEMENT
Date: 09/21/2011
Action: File review

Global Id: T0605900845
Action Type: ENFORCEMENT
Date: 10/27/2013
Action: File review

Global Id: T0605900845
Action Type: ENFORCEMENT
Date: 12/09/2019
Action: Closure Denial Letter

Global Id: T0605900845
Action Type: ENFORCEMENT
Date: 04/07/2021
Action: Notification - Public Notice of Case Closure

Global Id: T0605900845
Action Type: ENFORCEMENT
Date: 03/08/2022
Action: Closure/No Further Action Letter

Global Id: T0605900845
Action Type: ENFORCEMENT
Date: 12/04/2020
Action: Email Correspondence

Global Id: T0605900845
Action Type: Other
Date: 01/16/2005
Action: Leak Began

Global Id: T0605900845
Action Type: Other
Date: 10/25/1988
Action: Leak Discovery

Global Id: T0605900845
Action Type: Other
Date: 10/25/1988
Action: Leak Reported

SHELL OIL (Continued) **U001577246**

Global Id: T0605900845
Action Type: ENFORCEMENT
Date: 03/03/2009
Action: Staff Letter

Global Id: T0605900845
Action Type: ENFORCEMENT
Date: 12/23/2015
Action: Email Correspondence

Global Id: T0605900845
Action Type: ENFORCEMENT
Date: 11/02/2018
Action: File review

Global Id: T0605900845
Action Type: ENFORCEMENT
Date: 06/11/2015
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0605900845
Action Type: ENFORCEMENT
Date: 07/23/2021
Action: State Water Board Closure Order - #WQ 2021-0031-UST

Global Id: T0605900845
Action Type: ENFORCEMENT
Date: 05/12/2008
Action: Staff Letter

Global Id: T0605900845
Action Type: ENFORCEMENT
Date: 10/17/2010
Action: Staff Letter

Global Id: T0605900845
Action Type: ENFORCEMENT
Date: 12/13/2010
Action: Staff Letter

Global Id: T0605900845
Action Type: ENFORCEMENT
Date: 05/21/2012
Action: Staff Letter

Global Id: T0605900845
Action Type: ENFORCEMENT
Date: 01/26/2015
Action: Email Correspondence

Global Id: T0605900845
Action Type: ENFORCEMENT
Date: 11/01/2018
Action: File review

Global Id: T0605900845
Action Type: ENFORCEMENT

SHELL OIL (Continued) **U001577246**

Date: 04/14/2017
Action: File review

Global Id: T0605900845
Action Type: ENFORCEMENT
Date: 01/14/2019
Action: File review

Global Id: T0605900845
Action Type: ENFORCEMENT
Date: 01/30/2019
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

LUST:
Global Id: T0605900845
Status: Open - Case Begin Date
Status Date: 06/03/1988

Global Id: T0605900845
Status: Open - Site Assessment
Status Date: 06/03/1988

Global Id: T0605900845
Status: Open - Site Assessment
Status Date: 10/25/1988

Global Id: T0605900845
Status: Open - Site Assessment
Status Date: 11/23/1988

Global Id: T0605900845
Status: Open - Site Assessment
Status Date: 03/25/1991

Global Id: T0605900845
Status: Open - Remediation
Status Date: 07/15/1992

Global Id: T0605900845
Status: Open - Remediation
Status Date: 07/16/1992

Global Id: T0605900845
Status: Open - Verification Monitoring
Status Date: 08/31/1996

Global Id: T0605900845
Status: Open - Remediation
Status Date: 05/07/2012

Global Id: T0605900845
Status: Open - Verification Monitoring
Status Date: 05/13/2020

Global Id: T0605900845
Status: Open - Eligible for Closure
Status Date: 04/07/2021

SHELL OIL (Continued) **U001577246**

Global Id: T0605900845
Status: Completed - Case Closed
Status Date: 03/08/2022

LUST REG 8:

Name:	SHELL OIL
Address:	6022 CHAPMAN
City:	GARDEN GROVE
Region:	8
County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Post remedial action monitoring
Case Number:	083001071T
Local Case Num:	88UT188
Case Type:	Other ground water affected
Substance:	Gasoline
Qty Leaked:	0
Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	SEL
Funding:	Not reported
How Discovered:	SA
How Stopped:	Close Tank
Leak Cause:	Unknown
Leak Source:	Unknown
Global ID:	T0605900845
How Stopped Date:	9/9/9999
Enter Date:	Not reported
Date Confirmation of Leak Began:	10/25/1988
Date Preliminary Assessment Began:	11/23/1988
Discover Date:	10/25/1988
Enforcement Date:	Not reported
Close Date:	Not reported
Date Prelim Assessment Workplan Submitted:	6/3/1988
Date Pollution Characterization Began:	3/25/1991
Date Remediation Plan Submitted:	7/15/1992
Date Remedial Action Underway:	7/16/1992
Date Post Remedial Action Monitoring:	8/31/1996
Enter Date:	Not reported
GW Qualifies:	=
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.788335
Longitude:	-118.0279783
MTBE Date:	3/22/2002
Max MTBE GW:	85
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected
MTBE Class:	*
Staff:	CAB
Staff Initials:	SS

SHELL OIL (Continued) **U001577246**

Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary:	Not reported

ORANGE CO. LUST:

Name:	SHELL OIL
Address:	6022 CHAPMAN AVE
City,State,Zip:	GARDEN GROVE, CA 92845-1736
Region:	ORANGE
Facility Id:	88UT188
Current Status:	Closed
Type of Closure:	Closure certification issued
Released Substance:	Not reported
Date Closed:	03/08/2022
File Location:	Local Agency

HIST UST:

Name:	VERMEULEN
Address:	6022 CHAPMAN AVE
City,State,Zip:	GARDEN GROVE, CA 92646
File Number:	0002ee14
URL:	https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/0002ee14.pdf
Region:	STATE
Facility ID:	00000049624
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	BIOFUELL INC.
Telephone:	7148939805
Owner Name:	SHELL OIL COMPANY
Owner Address:	P.O. BOX 4848
Owner City,St,Zip:	ANAHEIM, CA 92803
Total Tanks:	0004
Tank Num:	001
Container Num:	1
Year Installed:	1979
Tank Capacity:	00000000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	1/4
Leak Detection:	Stock Inventor, 10
Tank Num:	002
Container Num:	2
Year Installed:	1979
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	1/4
Leak Detection:	Stock Inventor, 10

SHELL OIL (Continued) **U001577246**

Tank Num:	003
Container Num:	3
Year Installed:	1979
Tank Capacity:	00000000
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	1/4
Leak Detection:	Stock Inventor, 10

Tank Num:	004
Container Num:	4
Year Installed:	1962
Tank Capacity:	00000550
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	12
Leak Detection:	Stock Inventor, 10

Click here for Geo Tracker PDF:

CORTESE:

Name:	SHELL OIL
Address:	6022 CHAPMAN
City,State,Zip:	GARDEN GROVE, CA 92845
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0605900845
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

CERS:

Name:	SHELL OIL
Address:	6022 CHAPMAN
City,State,Zip:	GARDEN GROVE, CA 92845
Site ID:	685090
CERS ID:	T0605900845
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	CHRIS MARINO - SANTA ANA RWQCB (REGION 8)

SHELL OIL (Continued) **U001577246**

Entity Title: Not reported
Affiliation Address: 3737 MAIN STREET, SUITE 500
Affiliation City: RIVERSIDE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Local Agency Caseworker
Entity Name: KARL BEWLEY - ORANGE COUNTY LOP
Entity Title: Not reported
Affiliation Address: 1241 E. Dyer Road
Affiliation City: SANTA ANA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7144336264,

Name: CARL'S JR. #604
Address: 6022 CHAPMAN AVE
City,State,Zip: GARDEN GROVE, CA 92845
Site ID: 103118
CERS ID: 10611514
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 103118
Site Name: Carl's Jr. #604
Violation Date: 06-15-2022
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Returned to compliance on 06/20/2022. OBSERVATION: Employee training records were not available for review at the time of the routine inspection.
Violation Division: Orange County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 05-25-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: The facility's CERS HMBEP Submission was reviewed and all submittal elements were accepted.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-08-2015
Violations Found: No

SHELL OIL (Continued) **U001577246**

Eval Type: Other, not routine, done by local agency
Eval Notes: Read/review 2015 HMBEP. Accepted.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-09-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Mark Sutphin on site to conduct a routine Hazmat facility inspection. Permission to enter, inspect, and take photographs granted by Anna Ruiz Facility has submitted Hazmat Business Plan on CERS 10611514 and the hazmat plan appears complete. Facility has reportable quantities carbon dioxide stored in a dewar with two spare cylinders of CO2. Facility has implemented HMBP and employees receive training
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 12-11-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Business activity submittal reviewed and accepted. Please note that the hazmat inventory is due by 3-1-19
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-15-2022
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On site for routine Hazardous Materials and Business Emergency Plan (HMBEP) inspection. Consent to enter, inspect and take any necessary photos was given by Store Manager, Roxanna Rubio. Observed the facility and inspected hazardous materials storage. The hazardous materials observed were in amounts that met or exceeded the minimum volumes required for disclosure. CERS hazardous materials submittal was reviewed and accepted on this date. Employee training documentation was not available for review. Please send training records to this agency within 30 days. Emergency Response Notification is posted in the office. This inspection report was sent to dglen@ocburgerboys.com, 1100604@ocburgerboys.com and billing@ocburgerboys.com.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-21-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: This Agency has received and reviewed the training records on 06/20/2022. Violation (1020002), provided initial and annual training and maintained training records for a minimum of three years, has been

SHELL OIL (Continued) **U001577246**

corrected. No violations remain outstanding for this program.

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-19-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Mark Sutphin at site to perform HazMat facility inspection Facility has carbon dioxide at site above reportable quantities. The CERS submittal 10611514 is correct. facility has implemented a HMBP and provides employees with training Please note that the Resubmittal is due by march 1 of each year an the last submittal was 12-18-2014 ..
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 02-01-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed the facility's CERS HMBP. Facility Information and Hazardous Materials Inventory accepted. Emergency Response/Contingency Plan declined - Under Section C. Emergency Communications.. change the phone number for Local Unified Program Agency to (714) 433-6000.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-11-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: The following documents were reviewed and NOT ACCEPTED on CERS: Hazardous Material Inventory: (1) Site Map: - Please indicate where the evacuation staging area is on the map. - Please indicate where the emergency shut offs, that are applicable: water, gas and electrical. The following documents were reviewed and ACCEPTED on CERS: - Emergency Response Plan - Employee Training Plan Please contact Shruthi Sill at ssill@ochca.com with regards to any questions.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Coordinates:
Site ID: 103118
Facility Name: Carl's Jr. #604
Env Int Type Code: HMBP
Program ID: 10611514
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 33.788410
Longitude: -118.027960

Affiliation:

SHELL OIL (Continued) **U001577246**

Affiliation Type Desc:	Environmental Contact
Entity Name:	Jazmyn Carpenter
Entity Title:	Not reported
Affiliation Address:	716 Corporate Center Drive
Affiliation City:	Pomona
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91768
Affiliation Phone:	,

Affiliation Type Desc:	Identification Signer
Entity Name:	Andrea Rabago
Entity Title:	Property Management
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Legal Owner
Entity Name:	OC Burger Boys, LLC
Entity Title:	Not reported
Affiliation Address:	716 Corporate Center Drive
Affiliation City:	Pomona
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91768
Affiliation Phone:	(805) 672-2889,

Affiliation Type Desc:	Document Preparer
Entity Name:	Andrea Rabago
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Operator
Entity Name:	Carl's Jr.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(805) 672-2889,

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	716 Corporate Center Drive
Affiliation City:	Pomona
Affiliation State:	CA
Affiliation Country:	Not reported

SHELL OIL (Continued) **U001577246**

Affiliation Zip: 91768
Affiliation Phone: ,

Affiliation Type Desc: CUPA District
Entity Name: Orange County Env Health
Entity Title: Not reported
Affiliation Address: 1241 East Dyer RoadSuite 120
Affiliation City: Santa Ana
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92705-5611
Affiliation Phone: (714) 433-6406,

Affiliation Type Desc: Parent Corporation
Entity Name: Carl's Jr.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

N88 **HOLIDAY CLEANERS** **CPS-SLIC** **S108542979**
ESE **6086 CHAPMAN AVENUE** **CERS** **N/A**
1/4-1/2 **GARDEN GROVE, CA 92845**
0.325 mi.
1718 ft. **Site 1 of 2 in cluster N**

Relative:
Higher

Actual:
32 ft.

SLIC REG 8:
Name: HOLIDAY CLEANERS
Address: 6086 CHAPMAN AVENUE
City: GARDEN GROVE
Type: Soil and Groundwater
Facility Status: Additional Characterization Underway
Staff: WDM
Substance: PCE, TCE
Lead Agency: Regional Board
Location Code: Not reported
Thomas Bros Code: Not reported

CERS:
Name: HOLIDAY CLEANERS
Address: 6086 CHAPMAN AVENUE
City,State,Zip: GARDEN GROVE, CA 92845
Site ID: 660234
CERS ID: SL0605985079
CERS Description: Cleanup Program Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: KAYLA KAWAMURA - SANTA ANA RWQCB (REGION 8)
Entity Title: Not reported
Affiliation Address: 3737 Main St. Suite 500
Affiliation City: RIVERSIDE
Affiliation State: CA
Affiliation Country: Not reported

HOLIDAY CLEANERS (Continued) **S108542979**

Affiliation Zip: Not reported
Affiliation Phone: 9517824303,

N89
ESE
1/4-1/2
0.325 mi.
1718 ft.

HOLIDAY CLEANERS
6086 CHAPMAN AVENUE
GARDEN GROVE, CA 92845

CPS-SLIC **S102810057**
BROWNFIELDS **N/A**
DRYCLEANERS

Site 2 of 2 in cluster N

Relative:
Higher

Actual:
32 ft.

CPS-SLIC:

Name:	HOLIDAY CLEANERS
Address:	6086 CHAPMAN AVENUE
City,State,Zip:	GARDEN GROVE, CA 92845
Region:	STATE
Facility Status:	**Open - Remediation**
Status Date:	03/06/2018
Global Id:	SL0605985079
Lead Agency:	SANTA ANA RWQCB (REGION 8)
Lead Agency Case Number:	Not reported
Latitude:	33.7879330127807
Longitude:	-118.027016222477
Case Type:	Cleanup Program Site
Case Worker:	KMK
Local Agency:	Not reported
RB Case Number:	2080056
File Location:	Regional Board
Potential Media Affected:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Tetrachloroethylene (PCE), Trichloroethylene (TCE)
EPA Region:	9
Coordinate Source:	Manual Entry on Screens
Cuf Case:	NO
Quantity Released Gallons:	Not reported
Begin Date:	08/01/2004
Leak Reported Date:	06/02/2005
How Discovered:	Not reported
How Discovered Description:	Not reported
Discharge Source:	Not reported
Discharge Cause:	Not reported
Stop Method:	Not reported
Stop Description:	Not reported
No Further Action Date:	Not reported
CA Water Watershed Name:	Santa Ana River - Lower Santa Ana River - East Coastal Plain (801.11)
Dwr Groundwater Subbasin Name:	Coastal Plain Of Orange County (8-001)
Disadvantaged Community:	Not reported
CA Enviroscreen 3 Score:	56-60%
CA Enviroscreen 4 Score:	45-50%
Military DOD Site:	No
Facility Project Subtype:	Not reported
RWQCB Region:	SANTA ANA RWQCB (REGION 8)
Site History:	The site is a former dry cleaners with significant soil, soil gas and moderate groundwater contamination with PCE. Indoor air, and subsurface soil gas samples were collected at the site and the adjacent tenant units. The soil at and in the proximity of the source was excavated in the indoor and outdoor areas. A quarterly groundwater monitoring is ongoing. Extensive soil sampling in the downgradient areas of the site has been conducted and the groundwater plume has been fully characterized. A focused FS report for

HOLIDAY CLEANERS (Continued) **S102810057**

groundwater cleanup has been submitted. In-situ bioremediation was selected as the most viable alternative for the groundwater. A bench scale test with a variety of amendments failed to produce conclusive results due to high sulfate content of the groundwater. A Biotrap study was conducted at the Site from November 2011 through February 2012 to determine the most effective amendment. A pilot testing of the selected amendment is scheduled for Spring 2012.

Click here to access the California GeoTracker records for this facility:

BROWNFIELDS:

Name:	HOLIDAY CLEANERS
Address:	6086 CHAPMAN AVENUE
City,State,Zip:	GARDEN GROVE, CA 92845
Global ID:	SL0605985079
Latitude:	33.787933013
Longitude:	-118.02701622
Project Type:	Cleanup Program Site
Status:	Open - Remediation
Status Date:	03/06/2018
Lead Agency:	SANTA ANA RWQCB (REGION 8)
Last Correspondence Date:	08/31/2023
Release Type:	Other Type of Release
Contaminant(s) of Concern:	Tetrachloroethylene (PCE), Trichloroethylene (TCE)
Media of Concern:	Other Groundwater (uses other than drinking water)
Past Use(s) that Caused Contamination:	DRY CLEANING
Human Health Exposure Controlled:	YES
Human Health Exposure Controlled Date:	01/01/2012
Groundwater Migration Controlled:	NO
Groundwater Migration Controlled Date:	01/01/2012
Primary Caseworker Name:	KAYLA KAWAMURA
Primary Caseworker Organization Name:	SANTA ANA RWQCB (REGION 8)
Primary Caseworker Phone Number:	951-782-4303
Primary Caseworker Address:	3737 MAIN ST. SUITE 500
Primary Caseworker Address:	RIVERSIDE
Primary Caseworker Address:	CA
Primary Caseworker Email:	kayla.kawamura@waterboards.ca.gov

DRYCLEANERS:

Name:	HOLIDAY CLEANERS
Address:	6086 CHAPMAN
City,State,Zip:	GARDEN GROVE, CA 926450000
EPA Id:	CAL000015628
NAICS Code:	81232
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
SIC Code:	7211
SIC Description:	Power Laundries, Family and Commercial
Create Date:	11/14/1989
Facility Active:	No
Inactive Date:	06/30/2003
Facility Addr2:	Not reported
Owner Name:	LEE KANG BEUM
Owner Address:	6086 CHAPMAN AVE
Owner Address 2:	Not reported
Owner Telephone:	0
Contact Name:	ALICE LEE

HOLIDAY CLEANERS (Continued) **S102810057**

Contact Address:	6086 CHAPMAN AVE
Contact Address 2:	Not reported
Contact Telephone:	Not reported
Contact Fax:	Not reported
Mailing Name:	Not reported
Mailing Address 1:	6086 CHAPMAN AVE
Mailing Address 2:	Not reported
Mailing City:	GARDEN GROVE
Mailing State:	CA
Mailing Zip:	928450000
Owner Fax:	Not reported
Region Code:	4
Latitude:	33.788377
Longitude:	-118.026665

Name:	HOLIDAY CLEANER
Address:	6086 CHAPMAN AVE
City,State,Zip:	GARDEN GROVE, CA 92845
EPA Id:	CAL000261212
NAICS Code:	81232
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
SIC Code:	7211
SIC Description:	Power Laundries, Family and Commercial
Create Date:	10/22/2002
Facility Active:	No
Inactive Date:	06/30/2008
Facility Addr2:	Not reported
Owner Name:	MI KWON
Owner Address:	6086 CHAPMAN AVE
Owner Address 2:	Not reported
Owner Telephone:	7145046588
Contact Name:	MI SUK KWON / OWNER
Contact Address:	18823 BELSHIRE AVE
Contact Address 2:	Not reported
Contact Telephone:	5628655347
Contact Fax:	Not reported
Mailing Name:	Not reported
Mailing Address 1:	6086 CHAPMAN AVE
Mailing Address 2:	Not reported
Mailing City:	GARDEN GROVE
Mailing State:	CA
Mailing Zip:	92845
Owner Fax:	Not reported
Region Code:	4
Latitude:	33.78829
Longitude:	-118.026598

O90 **FIRE STATION #4** **LUST** **S101609541**
SSE **12191 VALLEY VIEW** **SWEEPS UST** **N/A**
1/4-1/2 **GARDEN GROVE, CA 92845** **CA FID UST**
0.374 mi. **Cortese**
1977 ft. **Site 1 of 2 in cluster O** **CERS**

Relative: LUST REG 8:
Lower

Name:	FIRE STATION #4
Address:	12191 VALLEY VIEW
City:	GARDEN GROVE
Region:	8

Actual:
29 ft.

FIRE STATION #4 (Continued) **S101609541**

County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083003884T
Local Case Num:	97UT010
Case Type:	Other ground water affected
Substance:	Regular Gasoline
Qty Leaked:	0
Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Close Tank
Leak Cause:	Unknown
Leak Source:	Unknown
Global ID:	T0605950213
How Stopped Date:	9/9/9999
Enter Date:	Not reported
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	4/21/1997
Enforcement Date:	Not reported
Close Date:	3/6/2002
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	Not reported
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.786494
Longitude:	-118.028664
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
MTBE Class:	*
Staff:	CAB
Staff Initials:	SS
Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported

Summary: Not reported

FIRE STATION #4 (Continued) **S101609541**

SWEEPS UST:

Name:	GARDEN GROVE FIRE STATION #4
Address:	12191 VALLEY VIEW
City:	GARDEN GROVE
Status:	Active
Comp Number:	7871
Number:	9
Board Of Equalization:	44-016652
Referral Date:	09-30-92
Action Date:	09-15-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	30-000-007871-000001
Tank Status:	A
Capacity:	280
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	GASHOL
Number Of Tanks:	2

Name:	GARDEN GROVE FIRE STATION #4
Address:	12191 VALLEY VIEW
City:	GARDEN GROVE
Status:	Active
Comp Number:	7871
Number:	9
Board Of Equalization:	44-016652
Referral Date:	09-30-92
Action Date:	09-15-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	30-000-007871-000002
Tank Status:	A
Capacity:	280
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	DIESEL
Number Of Tanks:	Not reported

CA FID UST:

Facility ID:	30017593
Regulated By:	UTNKA
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	7147415390
Mail To:	Not reported
Mailing Address:	13802 NEWHOPE ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	GARDEN GROVE 92645
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported

FIRE STATION #4 (Continued) **S101609541**

EPA ID:	Not reported
Comments:	Not reported
Status:	Active

CORTESE:

Name:	FIRE STATION #4
Address:	12191 VALLEY VIEW
City,State,Zip:	GARDEN GROVE, CA 92845
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0605950213
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

CERS:

Name:	FIRE STATION #4
Address:	12191 VALLEY VIEW
City,State,Zip:	GARDEN GROVE, CA 92845
Site ID:	653942
CERS ID:	T0605950213
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	MAILE SEEGER GEE - SANTA ANA RWQCB (REGION 8)
Entity Title:	Not reported
Affiliation Address:	3737 MAIN STREET, SUITE 500
Affiliation City:	RIVERSIDE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	9517824379,

O91 SSE 1/4-1/2 0.374 mi. 1977 ft. | **FIRE STATION #4**
12191 VALLEY VIEW ST
GARDEN GROVE, CA 92845

Site 2 of 2 in cluster O

LUST | **S103625869**
N/A

Relative: Lower

Actual: 29 ft.

LUST:

Name:	FIRE STATION #4
Address:	12191 VALLEY VIEW
City,State,Zip:	GARDEN GROVE, CA 92845
Lead Agency:	ORANGE COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605950213
Global Id:	T0605950213
Latitude:	33.785566
Longitude:	-118.029114
Status:	Completed - Case Closed
Status Date:	03/06/2002
Case Worker:	Not reported
RB Case Number:	083003884T
Local Agency:	Not reported
File Location:	Local Agency
Local Case Number:	97UT010
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
EPA Region:	9
Coordinate Source:	Google Geocode
Cuf Case:	NO
Quantity Released Gallons:	0
Begin Date:	04/21/1997
Leak Reported Date:	04/21/1997
How Discovered:	Tank Closure
How Discovered Description:	Not reported
Discharge Source:	Not reported
Discharge Cause:	Not reported
Stop Method:	Close and Remove Tank
Stop Description:	Not reported
No Further Action Date:	03/06/2002
CA Water Watershed Name:	Santa Ana River - Lower Santa Ana River - East Coastal Plain (801.11)
Dwr Groundwater Subbasin Name:	Coastal Plain Of Orange County (8-001)
Disadvantaged Community:	Not reported
CA Enviroscreen 3 Score:	16-20%
CA Enviroscreen 4 Score:	40-45%
Military DOD Site:	No
Facility Project Subtype:	Not reported
RWQCB Region:	SANTA ANA RWQCB (REGION 8)
Site History:	Not reported

LUST:

Global Id:	T0605950213
Contact Type:	Regional Board Caseworker
Contact Name:	MAILE SEEGER GEE
Organization Name:	SANTA ANA RWQCB (REGION 8)
Address:	3737 MAIN STREET, SUITE 500
City:	RIVERSIDE
Email:	maile.gee@waterboards.ca.gov
Phone Number:	9517824379

LUST:

FIRE STATION #4 (Continued) **S103625869**

Global Id: T0605950213
Action Type: ENFORCEMENT
Date: 11/17/2020
Action: Historic Files

Global Id: T0605950213
Action Type: Other
Date: 04/21/1997
Action: Leak Discovery

Global Id: T0605950213
Action Type: Other
Date: 04/21/1997
Action: Leak Reported

LUST:
Global Id: T0605950213
Status: Open - Case Begin Date
Status Date: 04/21/1997

Global Id: T0605950213
Status: Completed - Case Closed
Status Date: 03/06/2002

ORANGE CO. LUST:
Name: FIRE STATION #4
Address: 12191 VALLEY VIEW ST
City,State,Zip: GARDEN GROVE, CA 92845-1725
Region: ORANGE
Facility Id: 97UT010
Current Status: Closed
Type of Closure: Closure certification issued
Released Substance: Not reported
Date Closed: 03/06/2002
File Location: Local Agency

92
North
1/2-1
0.796 mi.
4205 ft.

Relative:
Higher

Actual:
37 ft.

R & D BLDG PARCEL 7
5730 KATELLA AVE
CYPRESS, CA 90630

ENVIROSTOR **S121666303**
CERS HAZ WASTE **N/A**
HWTS
HAZNET
NPDES
CIWQS
CERS

ENVIROSTOR:
Name: ROLLS-ROYCE HIGH TEMPERATURE COMPOSITE, INC.
Address: 5730 KATELLA AVENUE
City,State,Zip: CYPRESS, CA 90630
Facility ID: 60002729
Status: Active
Status Date: 09/17/2018
Site Code: Not reported
Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: 0.5
NPL: NO

R & D BLDG PARCEL 7 (Continued) **S121666303**

Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Irena Edwards
Supervisor: Eileen Mananian
Division Branch: Cleanup Cypress
Assembly: 67
Senate: 36
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 33.80224
Longitude: -118.0334
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 60002729
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 09/17/2018
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CERS HAZ WASTE:
Name: ROLLS-ROYCE HIGH TEMPERATURE COMPOSITES (KATELLA)
Address: 5730 KATELLA AVE
City,State,Zip: CYPRESS, CA 90630
Site ID: 370342
CERS ID: 10664809
CERS Description: Hazardous Waste Generator

Name: ROLLS-ROYCE HIGH TEMPERATURE COMPOSITES (KATELLA)
Address: 5730 KATELLA AVE
City,State,Zip: CYPRESS, CA 90630
Site ID: 370342
CERS ID: 10664809
CERS Description: Hazardous Waste Onsite Treatment

HWTS:
Name: ROLLS-ROYCE HIGH TEMPERATURE COMPOSITES
Address: 5730 KATELLA AVE
Address 2: Not reported

R & D BLDG PARCEL 7 (Continued) **S121666303**

City,State,Zip:	CYPRESS, CA 90630
EPA ID:	CAL000415727
Inactive Date:	Not reported
Create Date:	03/29/2016
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	5730 KATELLA AVENUE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	CYPRESS, CA 906300000
Owner Name:	ROLLS ROYCE CORPORATION
Owner Address:	1875 EXPLORER ST STE 200
Owner Address 2:	Not reported
Owner City,State,Zip:	RESTON, VA 201900000
Owner Phone:	Not reported
Owner Fax:	Not reported
Contact Name:	ROBERT HAYS
Contact Address:	5730 KATELLA AVENUE
Contact Address 2:	Not reported
City,State,Zip:	CYPRESS, CA 90630
Contact Phone:	Not reported
Contact Fax:	Not reported
Facility Status:	Active
Facility Type:	PERMANENT
Category:	STATE
Latitude:	33.802254
Longitude:	-118.033434

NAICS:

EPA ID:	CAL000415727
Create Date:	2016-03-29 15:13:42.540
NAICS Code:	327999
NAICS Description:	All Other Miscellaneous Nonmetallic Mineral Product Manufacturing
Issued EPA ID Date:	2016-03-29 15:13:42.52700
Inactive Date:	Not reported
Facility Name:	ROLLS-ROYCE HIGH TEMPERATURE COMPOSITES
Facility Address:	5730 KATELLA AVE
Facility Address 2:	Not reported
Facility City:	CYPRESS
Facility County:	Not reported
Facility State:	CA
Facility Zip:	90630

HAZNET:

Name:	ROLLS-ROYCE HIGH TEMPERATURE COMPOSITES
Address:	5730 KATELLA AVE
Address 2:	Not reported
City,State,Zip:	CYPRESS, CA 90630
Contact:	ROBERT HAYS
Telephone:	6573376542
Mailing Name:	Not reported
Mailing Address:	5730 KATELLA AVENUE
Year:	2021
Gepaid:	CAL000415727
TSD EPA ID:	CAD044429835
CA Waste Code:	135 - Unspecified aqueous solution

R & D BLDG PARCEL 7 (Continued) **S121666303**

Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.4203
Year:	2021
Gepaid:	CAL000415727
TSD EPA ID:	NED981723513
CA Waste Code:	343 - Unspecified organic liquid mixture
Disposal Method:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.102
Year:	2021
Gepaid:	CAL000415727
TSD EPA ID:	AZD081705402
CA Waste Code:	343 - Unspecified organic liquid mixture
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	1.5925
Year:	2021
Gepaid:	CAL000415727
TSD EPA ID:	AZD081705402
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons:	1.1
Year:	2021
Gepaid:	CAL000415727
TSD EPA ID:	CAD044429835
CA Waste Code:	343 - Unspecified organic liquid mixture
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.102
Year:	2021
Gepaid:	CAL000415727
TSD EPA ID:	AZD081705402
CA Waste Code:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.2475
Year:	2021
Gepaid:	CAL000415727
TSD EPA ID:	AZD081705402
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons:	1.0025
Year:	2021
Gepaid:	CAL000415727
TSD EPA ID:	ARD981057870
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.3825
Year:	2021

R & D BLDG PARCEL 7 (Continued) **S121666303**

Gepaid:	CAL000415727
TSD EPA ID:	AZD081705402
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.1875
Year:	2021
Gepaid:	CAL000415727
TSD EPA ID:	CAT080013352
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.93101

Click this hyperlink while viewing on your computer to access
41 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year:	2021
Gen EPA ID:	CAL000415727
Shipment Date:	9/25/2020
Creation Date:	11/10/2020
Receipt Date:	10/21/2020
Manifest ID:	007475169SKS
Trans EPA ID:	TXR000081205
Trans Name:	Safety-Kleen Systems, Inc.
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	Clean Harbors Environmental Services, Inc.
TSDF EPA ID:	NED981723513
Trans Name:	Clean Harbors Environmental Services, Inc.
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D007
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.102
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/15/2020
Creation Date:	10/10/2020
Receipt Date:	9/30/2020
Manifest ID:	000988635WAS
Trans EPA ID:	IND058484114
Trans Name:	HERITAGE TRANSPORT LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO CHEMICAL INDUSTRIES, LLC

R & D BLDG PARCEL 7 (Continued) **S121666303**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.301
Waste Quantity:	602
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/15/2020
Creation Date:	10/9/2020
Receipt Date:	9/29/2020
Manifest ID:	000988636WAS
Trans EPA ID:	IND058484114
Trans Name:	HERITAGE TRANSPORT LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD081705402
Trans Name:	HERITAGE ENVIRONMENTAL SERVICES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2125
Waste Quantity:	425
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/15/2020
Creation Date:	10/9/2020
Receipt Date:	9/29/2020
Manifest ID:	000988636WAS
Trans EPA ID:	IND058484114
Trans Name:	HERITAGE TRANSPORT LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD081705402
Trans Name:	HERITAGE ENVIRONMENTAL SERVICES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.095

R & D BLDG PARCEL 7 (Continued) **S121666303**

Waste Quantity:	190
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/15/2020
Creation Date:	10/9/2020
Receipt Date:	9/29/2020
Manifest ID:	000988636WAS
Trans EPA ID:	IND058484114
Trans Name:	HERITAGE TRANSPORT LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD081705402
Trans Name:	HERITAGE ENVIRONMENTAL SERVICES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.77
Waste Quantity:	3540
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	8/12/2020
Creation Date:	9/21/2020
Receipt Date:	9/1/2020
Manifest ID:	007558642SKS
Trans EPA ID:	TXR000081205
Trans Name:	Safety-Kleen Systems, Inc.
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	Clean Harbors Environmental Services, Inc.
TSDF EPA ID:	NED981723513
Trans Name:	Clean Harbors Environmental Services, Inc.
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D007
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.06
Waste Quantity:	120
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

R & D BLDG PARCEL 7 (Continued) **S121666303**

Shipment Date:	7/9/2020
Creation Date:	8/6/2020
Receipt Date:	7/21/2020
Manifest ID:	000965046WAS
Trans EPA ID:	IND058484114
Trans Name:	HERITAGE TRANSPORT LLC
Trans 2 EPA ID:	IND058484114
Trans 2 Name:	HERITAGE TRANSPORT LLC
TSDF EPA ID:	AZD081705402
Trans Name:	HERITAGE ENVIRONMENTAL SERVICES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1175
Waste Quantity:	235
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	7/9/2020
Creation Date:	8/6/2020
Receipt Date:	7/21/2020
Manifest ID:	000965046WAS
Trans EPA ID:	IND058484114
Trans Name:	HERITAGE TRANSPORT LLC
Trans 2 EPA ID:	IND058484114
Trans 2 Name:	HERITAGE TRANSPORT LLC
TSDF EPA ID:	AZD081705402
Trans Name:	HERITAGE ENVIRONMENTAL SERVICES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.465
Waste Quantity:	930
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	7/9/2020
Creation Date:	8/6/2020
Receipt Date:	7/21/2020
Manifest ID:	000965046WAS
Trans EPA ID:	IND058484114
Trans Name:	HERITAGE TRANSPORT LLC
Trans 2 EPA ID:	IND058484114

R & D BLDG PARCEL 7 (Continued) **S121666303**

Trans 2 Name:	HERITAGE TRANSPORT LLC
TSDF EPA ID:	AZD081705402
Trans Name:	HERITAGE ENVIRONMENTAL SERVICES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.165
Waste Quantity:	330
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	7/9/2020
Creation Date:	8/3/2020
Receipt Date:	7/14/2020
Manifest ID:	000965044WAS
Trans EPA ID:	IND058484114
Trans Name:	HERITAGE TRANSPORT LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	WORLD OIL RECYCLING
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.185
Waste Quantity:	370
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2020
Gen EPA ID:	CAL000415727
Shipment Date:	9/25/2020
Creation Date:	11/10/2020
Receipt Date:	10/21/2020
Manifest ID:	007475169SKS
Trans EPA ID:	TXR000081205
Trans Name:	Safety-Kleen Systems, Inc.
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	Clean Harbors Environmental Services, Inc.
TSDF EPA ID:	NED981723513
Trans Name:	Clean Harbors Environmental Services, Inc.

R & D BLDG PARCEL 7 (Continued) **S121666303**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D007
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.102
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/15/2020
Creation Date:	10/9/2020
Receipt Date:	9/29/2020
Manifest ID:	000988636WAS
Trans EPA ID:	IND058484114
Trans Name:	HERITAGE TRANSPORT LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD081705402
Trans Name:	HERITAGE ENVIRONMENTAL SERVICES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2125
Waste Quantity:	425
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/15/2020
Creation Date:	10/10/2020
Receipt Date:	9/30/2020
Manifest ID:	000988635WAS
Trans EPA ID:	IND058484114
Trans Name:	HERITAGE TRANSPORT LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO CHEMICAL INDUSTRIES, LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.301
Waste Quantity:	602

R & D BLDG PARCEL 7 (Continued) **S121666303**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/15/2020
Creation Date:	10/9/2020
Receipt Date:	9/29/2020
Manifest ID:	000988636WAS
Trans EPA ID:	IND058484114
Trans Name:	HERITAGE TRANSPORT LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD081705402
Trans Name:	HERITAGE ENVIRONMENTAL SERVICES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.77
Waste Quantity:	3540
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/15/2020
Creation Date:	10/9/2020
Receipt Date:	9/29/2020
Manifest ID:	000988636WAS
Trans EPA ID:	IND058484114
Trans Name:	HERITAGE TRANSPORT LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD081705402
Trans Name:	HERITAGE ENVIRONMENTAL SERVICES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.095
Waste Quantity:	190
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

R & D BLDG PARCEL 7 (Continued) **S121666303**

Shipment Date:	8/12/2020
Creation Date:	9/21/2020
Receipt Date:	9/1/2020
Manifest ID:	007558642SKS
Trans EPA ID:	TXR000081205
Trans Name:	Safety-Kleen Systems, Inc.
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	Clean Harbors Environmental Services, Inc.
TSDF EPA ID:	NED981723513
Trans Name:	Clean Harbors Environmental Services, Inc.
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D007
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.06
Waste Quantity:	120
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	7/9/2020
Creation Date:	8/9/2020
Receipt Date:	7/30/2020
Manifest ID:	000965042WAS
Trans EPA ID:	IND058484114
Trans Name:	HERITAGE TRANSPORT LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO CHEMICAL INDUSTRIES, LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1835
Waste Quantity:	367
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	7/9/2020
Creation Date:	8/6/2020
Receipt Date:	7/21/2020
Manifest ID:	000965046WAS
Trans EPA ID:	IND058484114
Trans Name:	HERITAGE TRANSPORT LLC
Trans 2 EPA ID:	IND058484114
Trans 2 Name:	HERITAGE TRANSPORT LLC

R & D BLDG PARCEL 7 (Continued) **S121666303**

TSDF EPA ID:	AZD081705402
Trans Name:	HERITAGE ENVIRONMENTAL SERVICES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.465
Waste Quantity:	930
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	7/9/2020
Creation Date:	8/6/2020
Receipt Date:	7/21/2020
Manifest ID:	000965046WAS
Trans EPA ID:	IND058484114
Trans Name:	HERITAGE TRANSPORT LLC
Trans 2 EPA ID:	IND058484114
Trans 2 Name:	HERITAGE TRANSPORT LLC
TSDF EPA ID:	AZD081705402
Trans Name:	HERITAGE ENVIRONMENTAL SERVICES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.165
Waste Quantity:	330
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	7/9/2020
Creation Date:	8/3/2020
Receipt Date:	7/14/2020
Manifest ID:	000965044WAS
Trans EPA ID:	IND058484114
Trans Name:	HERITAGE TRANSPORT LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	WORLD OIL RECYCLING
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid

R & D BLDG PARCEL 7 (Continued) **S121666303**

	Regeneration, Organics Recovery Ect
Quantity Tons:	0.185
Waste Quantity:	370
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Detail Two:

Year:	2020
EM Manifest ID:	5b8db1d3-9c3e-4dc3-9cd2-8eedb511fdf7
Shipment Date:	9/25/2020
Receipt Date:	10/21/2020
Manifest Number:	007475169SKS
Generator EPA ID:	CAL000415727
Name:	ROLLS-ROYCE HIGH TEMPERATURE COMPOSITES
Address:	5730 KATELLA AVE
Address 2:	Not reported
City:	CYPRESS
Zip:	90630
Telephone:	800-483-3718
Contact:	Albert Venegas
Contact Telephone:	562-332-7517
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NED981723513
TSDF Name:	Clean Harbors Environmental Services, Inc.
TSDF Address 1:	2247 South Highway 71
TSDF Address 2:	Not reported
TSDF City:	Kimball
TSDF Zip:	69145
TSDF Telephone:	800-483-3718

Federal:

Year:	2020
EM Manifest ID:	5b8db1d3-9c3e-4dc3-9cd2-8eedb511fdf7
Generator EPA ID:	CAL000415727
Shipment Date:	2020-09-25
Manifest Number:	007475169SKS
Line Number:	1
Method Code:	H040
Quantity Tons:	0.10200
Quantity Waste:	30.000000
Quantity Unit:	G
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
Federal Code:	D007

State:

Year:	2020
EM Manifest ID:	5b8db1d3-9c3e-4dc3-9cd2-8eedb511fdf7
Generator EPA ID:	CAL000415727

R & D BLDG PARCEL 7 (Continued) **S121666303**

Shipment Date:	2020-09-25
Manifest Number:	007475169SKS
Line Number:	1
Method Code:	H040
Quantity Tons:	0.10200
Quantity Waste:	30.000000
Quantity Unit:	G
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
State Code:	343

Year:	2020
EM Manifest ID:	02e5cf51-7dc4-4203-a84e-bfad03eb7d6c
Shipment Date:	8/12/2020
Receipt Date:	9/1/2020
Manifest Number:	007558642SKS
Generator EPA ID:	CAL000415727
Name:	ROLLS-ROYCE HIGH TEMPERATURE COMPOSITES
Address:	5730 KATELLA AVE
Address 2:	Not reported
City:	CYPRESS
Zip:	90630
Telephone:	800-483-3718
Contact:	Albert Venegas
Contact Telephone:	562-332-7517
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NED981723513
TSDF Name:	Clean Harbors Environmental Services, Inc.
TSDF Address 1:	2247 South Highway 71
TSDF Address 2:	Not reported
TSDF City:	Kimball
TSDF Zip:	69145
TSDF Telephone:	800-483-3718

Federal:

Year:	2020
EM Manifest ID:	02e5cf51-7dc4-4203-a84e-bfad03eb7d6c
Generator EPA ID:	CAL000415727
Shipment Date:	2020-08-12
Manifest Number:	007558642SKS
Line Number:	1
Method Code:	H040
Quantity Tons:	0.06000
Quantity Waste:	120.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D007

State:

Year:	2020

R & D BLDG PARCEL 7 (Continued) **S121666303**

EM Manifest ID:	02e5cf51-7dc4-4203-a84e-bfad03eb7d6c
Generator EPA ID:	CAL000415727
Shipment Date:	2020-08-12
Manifest Number:	007558642SKS
Line Number:	1
Method Code:	H040
Quantity Tons:	0.06000
Quantity Waste:	120.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	343

Year:	2020
EM Manifest ID:	81c8ab9a-b9bc-4c0f-8cf5-489401346520
Shipment Date:	7/9/2020
Receipt Date:	7/21/2020
Manifest Number:	000965046WAS
Generator EPA ID:	CAL000415727
Name:	ROLLS-ROYCE HIGH TEMPERATURE COMPOSITES
Address:	5730 KATELLA AVE
Address 2:	Not reported
City:	CYPRESS
Zip:	90630
Telephone:	800-326-1221
Contact:	Not reported
Contact Telephone:	657-337-6542
Transporter 1 EPA ID:	IND058484114
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	IND058484114
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZD081705402
TSDF Name:	HERITAGE ENVIRONMENTAL SERVICES LLC
TSDF Address 1:	284 E STOREY RD
TSDF Address 2:	Not reported
TSDF City:	COOLIDGE
TSDF Zip:	85128
TSDF Telephone:	Not reported

State:

Year:	2020
EM Manifest ID:	81c8ab9a-b9bc-4c0f-8cf5-489401346520
Generator EPA ID:	CAL000415727
Shipment Date:	2020-07-09
Manifest Number:	000965046WAS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.11750
Quantity Waste:	235.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	213

Year:	2020

R & D BLDG PARCEL 7 (Continued) **S121666303**

EM Manifest ID:	81c8ab9a-b9bc-4c0f-8cf5-489401346520
Generator EPA ID:	CAL000415727
Shipment Date:	2020-07-09
Manifest Number:	000965046WAS
Line Number:	2
Method Code:	H141
Quantity Tons:	0.46500
Quantity Waste:	930.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352

Year:	2020
EM Manifest ID:	81c8ab9a-b9bc-4c0f-8cf5-489401346520
Generator EPA ID:	CAL000415727
Shipment Date:	2020-07-09
Manifest Number:	000965046WAS
Line Number:	3
Method Code:	H141
Quantity Tons:	0.16500
Quantity Waste:	330.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	223

Year:	2020
EM Manifest ID:	8a149cec-32e7-4110-8998-3461359d680a
Shipment Date:	6/3/2020
Receipt Date:	6/19/2020
Manifest Number:	007476186SKS
Generator EPA ID:	CAL000415727
Name:	ROLLS-ROYCE HIGH TEMPERATURE COMPOSITES
Address:	5730 KATELLA AVE
Address 2:	Not reported
City:	CYPRESS
Zip:	90630
Telephone:	800-483-3718
Contact:	Albert Venegas
Contact Telephone:	909-225-7360
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NED981723513
TSDF Name:	Clean Harbors Environmental Services, Inc.
TSDF Address 1:	2247 South Highway 71
TSDF Address 2:	Not reported
TSDF City:	Kimball
TSDF Zip:	69145
TSDF Telephone:	800-483-3718

Federal:

Year:	2020

R & D BLDG PARCEL 7 (Continued) **S121666303**

EM Manifest ID:	8a149cec-32e7-4110-8998-3461359d680a
Generator EPA ID:	CAL000415727
Shipment Date:	2020-06-03
Manifest Number:	007476186SKS
Line Number:	1
Method Code:	H040
Quantity Tons:	0.05000
Quantity Waste:	100.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D007

State:

Year:	2020
EM Manifest ID:	8a149cec-32e7-4110-8998-3461359d680a
Generator EPA ID:	CAL000415727
Shipment Date:	2020-06-03
Manifest Number:	007476186SKS
Line Number:	1
Method Code:	H040
Quantity Tons:	0.05000
Quantity Waste:	100.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	343

Year:	2020
EM Manifest ID:	3bec008b-e0e5-4e15-9120-3dbdd23430fa
Shipment Date:	6/18/2020
Receipt Date:	7/2/2020
Manifest Number:	001013839WAS
Generator EPA ID:	CAL000415727
Name:	ROLLS-ROYCE HIGH TEMPERATURE COMPOSITES
Address:	5730 KATELLA AVE
Address 2:	Not reported
City:	CYPRESS
Zip:	90630
Telephone:	800-326-1221
Contact:	Not reported
Contact Telephone:	657-337-6542
Transporter 1 EPA ID:	IND058484114
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	OKR000031492
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	ARD981057870
TSDF Name:	RINECO CHEMICAL INDUSTRIES, LLC
TSDF Address 1:	VULCAN ROAD
TSDF Address 2:	Not reported
TSDF City:	BENTON
TSDF Zip:	72015
TSDF Telephone:	Not reported

R & D BLDG PARCEL 7 (Continued) **S121666303**

State:

Year:	2020
EM Manifest ID:	3bec008b-e0e5-4e15-9120-3dbdd23430fa
Generator EPA ID:	CAL000415727
Shipment Date:	2020-06-18
Manifest Number:	001013839WAS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.15500
Quantity Waste:	310.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352

Year:	2020
EM Manifest ID:	7ba9a239-85e3-461e-a8b4-6d17dc434966
Shipment Date:	4/13/2020
Receipt Date:	4/27/2020
Manifest Number:	007280967SKS
Generator EPA ID:	CAL000415727
Name:	ROLLS-ROYCE HIGH TEMPERATURE COMPOSITES
Address:	5730 KATELLA AVE
Address 2:	Not reported
City:	CYPRESS
Zip:	90630
Telephone:	800-483-3718
Contact:	Albert Venegas
Contact Telephone:	909-225-7360
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD044429835
TSDF Name:	Clean Harbors Wilmington LLC
TSDF Address 1:	1737 East Denni Street
TSDF Address 2:	Not reported
TSDF City:	Wilmington
TSDF Zip:	90744
TSDF Telephone:	800-483-3718

Federal:

Year:	2020
EM Manifest ID:	7ba9a239-85e3-461e-a8b4-6d17dc434966
Generator EPA ID:	CAL000415727
Shipment Date:	2020-04-13
Manifest Number:	007280967SKS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.10200
Quantity Waste:	30.000000
Quantity Unit:	G
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons

R & D BLDG PARCEL 7 (Continued) **S121666303**

Federal Code: D007

State:

Year:	2020
EM Manifest ID:	7ba9a239-85e3-461e-a8b4-6d17dc434966
Generator EPA ID:	CAL000415727
Shipment Date:	2020-04-13
Manifest Number:	007280967SKS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.10200
Quantity Waste:	30.000000
Quantity Unit:	G
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
State Code:	343

Year:	2020
EM Manifest ID:	b6859561-35b5-4b16-b9be-db593f35849a
Shipment Date:	3/6/2020
Receipt Date:	3/19/2020
Manifest Number:	001013006WAS
Generator EPA ID:	CAL000415727
Name:	ROLLS-ROYCE HIGH TEMPERATURE COMPOSITES
Address:	5730 KATELLA AVE
Address 2:	Not reported
City:	CYPRESS
Zip:	90630
Telephone:	800-326-1221
Contact:	Not reported
Contact Telephone:	657-337-6542
Transporter 1 EPA ID:	IND058484114
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	AZR000516211
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZD081705402
TSDF Name:	HERITAGE ENVIRONMENTAL SERVICES LLC
TSDF Address 1:	EAST STOREY ROAD
TSDF Address 2:	Not reported
TSDF City:	COOLIDGE
TSDF Zip:	85128-9205
TSDF Telephone:	Not reported

State:

Year:	2020
EM Manifest ID:	b6859561-35b5-4b16-b9be-db593f35849a
Generator EPA ID:	CAL000415727
Shipment Date:	2020-03-06
Manifest Number:	001013006WAS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.64500
Quantity Waste:	1290.000000
Quantity Unit:	P
Number of Containers:	3

R & D BLDG PARCEL 7 (Continued) **S121666303**

Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352

Year:	2020
EM Manifest ID:	b6859561-35b5-4b16-b9be-db593f35849a
Generator EPA ID:	CAL000415727
Shipment Date:	2020-03-06
Manifest Number:	001013006WAS
Line Number:	2
Method Code:	H141
Quantity Tons:	0.17750
Quantity Waste:	355.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	223

Year:	2020
EM Manifest ID:	b6859561-35b5-4b16-b9be-db593f35849a
Generator EPA ID:	CAL000415727
Shipment Date:	2020-03-06
Manifest Number:	001013006WAS
Line Number:	3
Method Code:	H141
Quantity Tons:	0.14000
Quantity Waste:	280.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	213

Year:	2020
EM Manifest ID:	1099319
Shipment Date:	2/17/2020
Receipt Date:	2/24/2020
Manifest Number:	007280968SKS
Generator EPA ID:	CAL000415727
Name:	ROLLS-ROYCE HIGH TEMPERATURE COMPOSITES
Address:	5730 KATELLA AVE
Address 2:	Not reported
City:	CYPRESS
Zip:	90630
Telephone:	800-483-3718
Contact:	Albert Venegas
Contact Telephone:	714-421-8036
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD044429835
TSDF Name:	Clean Harbors Wilmington LLC
TSDF Address 1:	1737 East Denni Street
TSDF Address 2:	Not reported

R & D BLDG PARCEL 7 (Continued) **S121666303**

TSDF City:	Wilmington
TSDF Zip:	90744
TSDF Telephone:	800-483-3718

Federal:

Year:	2020
EM Manifest ID:	1099319
Generator EPA ID:	CAL000415727
Shipment Date:	2020-02-17
Manifest Number:	007280968SKS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.10200
Quantity Waste:	30.000000
Quantity Unit:	G
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
Federal Code:	D007

State:

Year:	2020
EM Manifest ID:	1099319
Generator EPA ID:	CAL000415727
Shipment Date:	2020-02-17
Manifest Number:	007280968SKS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.10200
Quantity Waste:	30.000000
Quantity Unit:	G
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
State Code:	343

Year:	2020
EM Manifest ID:	d2805cb0-f7c7-4b31-bc1a-2323a3bc0be4
Shipment Date:	10/22/2020
Receipt Date:	11/13/2020
Manifest Number:	007774264SKS
Generator EPA ID:	CAL000415727
Name:	ROLLS-ROYCE HIGH TEMPERATURE COMPOSITES
Address:	5730 KATELLA AVE
Address 2:	Not reported
City:	CYPRESS
Zip:	90630
Telephone:	800-483-3718
Contact:	Albert Venegas
Contact Telephone:	562-332-7517
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NED981723513
TSDF Name:	Clean Harbors Environmental Services, Inc.

R & D BLDG PARCEL 7 (Continued) **S121666303**

TSDF Address 1:	2247 South Highway 71
TSDF Address 2:	Not reported
TSDF City:	Kimball
TSDF Zip:	69145
TSDF Telephone:	800-483-3718

Federal:

Year:	2020
EM Manifest ID:	d2805cb0-f7c7-4b31-bc1a-2323a3bc0be4
Generator EPA ID:	CAL000415727
Shipment Date:	2020-10-22
Manifest Number:	007774264SKS
Line Number:	1
Method Code:	H040
Quantity Tons:	0.10200
Quantity Waste:	30.000000
Quantity Unit:	G
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
Federal Code:	D007

State:

Year:	2020
EM Manifest ID:	d2805cb0-f7c7-4b31-bc1a-2323a3bc0be4
Generator EPA ID:	CAL000415727
Shipment Date:	2020-10-22
Manifest Number:	007774264SKS
Line Number:	1
Method Code:	H040
Quantity Tons:	0.10200
Quantity Waste:	30.000000
Quantity Unit:	G
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
State Code:	343

Year:	2020
EM Manifest ID:	995739
Shipment Date:	1/9/2020
Receipt Date:	1/20/2020
Manifest Number:	007280257SKS
Generator EPA ID:	CAL000415727
Name:	ROLLS-ROYCE HIGH TEMPERATURE COMPOSITES
Address:	5730 KATELLA AVE
Address 2:	Not reported
City:	CYPRESS
Zip:	90630
Telephone:	800-483-3718
Contact:	Albert Venegas
Contact Telephone:	714-421-8036
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported

R & D BLDG PARCEL 7 (Continued) **S121666303**

TSDF EPA ID:	CAD044429835
TSDF Name:	Clean Harbors Wilmington LLC
TSDF Address 1:	1737 East Denni Street
TSDF Address 2:	Not reported
TSDF City:	Wilmington
TSDF Zip:	90744
TSDF Telephone:	800-483-3718

Federal:

Year:	2020
EM Manifest ID:	995739
Generator EPA ID:	CAL000415727
Shipment Date:	2020-01-09
Manifest Number:	007280257SKS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.10200
Quantity Waste:	30.000000
Quantity Unit:	G
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
Federal Code:	D007

State:

Year:	2020
EM Manifest ID:	995739
Generator EPA ID:	CAL000415727
Shipment Date:	2020-01-09
Manifest Number:	007280257SKS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.10200
Quantity Waste:	30.000000
Quantity Unit:	G
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
State Code:	343

Detail Two:

Year:	2019
EM Manifest ID:	766825
Shipment Date:	9/4/2019
Receipt Date:	9/20/2019
Manifest Number:	000989637WAS
Generator EPA ID:	CAL000415727
Name:	ROLLS-ROYCE HIGH TEMPERATURE COMPOSITES
Address:	5730 KATELLA AVE
Address 2:	Not reported
City:	CYPRESS
Zip:	90630
Telephone:	800-326-1221
Contact:	Not reported
Contact Telephone:	657-337-6542
Transporter 1 EPA ID:	IND058484114

R & D BLDG PARCEL 7 (Continued) **S121666303**

Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	AZR000516211
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZD081705402
TSDF Name:	HERITAGE ENVIRONMENTAL SERVICES LLC
TSDF Address 1:	284 EAST STOREY ROAD
TSDF Address 2:	Not reported
TSDF City:	COOLIDGE
TSDF Zip:	85128-9205
TSDF Telephone:	Not reported

State:

Year:	2019
EM Manifest ID:	766825
Generator EPA ID:	CAL000415727
Shipment Date:	2019-09-04
Manifest Number:	000989637WAS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.06000
Quantity Waste:	120.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	221

Year:	2019
EM Manifest ID:	766825
Generator EPA ID:	CAL000415727
Shipment Date:	2019-09-04
Manifest Number:	000989637WAS
Line Number:	2
Method Code:	H141
Quantity Tons:	0.61750
Quantity Waste:	1235.000000
Quantity Unit:	P
Number of Containers:	4
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352

Year:	2019
EM Manifest ID:	651149
Shipment Date:	9/4/2019
Receipt Date:	10/9/2019
Manifest Number:	000989636WAS
Generator EPA ID:	CAL000415727
Name:	ROLLS-ROYCE HIGH TEMPERATURE COMPOSITES
Address:	5730 KATELLA AVE
Address 2:	Not reported
City:	CYPRESS
Zip:	90630
Telephone:	800-326-1221
Contact:	Not reported
Contact Telephone:	657-337-6542
Transporter 1 EPA ID:	IND058484114

R & D BLDG PARCEL 7 (Continued) **S121666303**

Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	ALR000007237
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	OHD980613541
TSDF Name:	HERITAGE THERMAL SERVICES INC
TSDF Address 1:	1250 SAINT GEORGE ST
TSDF Address 2:	Not reported
TSDF City:	EAST LIVERPOOL
TSDF Zip:	43920
TSDF Telephone:	Not reported

State:

Year:	2019
EM Manifest ID:	651149
Generator EPA ID:	CAL000415727
Shipment Date:	2019-09-04
Manifest Number:	000989636WAS
Line Number:	1
Method Code:	H040
Quantity Tons:	0.79200
Quantity Waste:	220.000000
Quantity Unit:	G
Number of Containers:	4
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
State Code:	214

Year:	2019
EM Manifest ID:	651149
Generator EPA ID:	CAL000415727
Shipment Date:	2019-09-04
Manifest Number:	000989636WAS
Line Number:	2
Method Code:	H040
Quantity Tons:	0.45000
Quantity Waste:	900.000000
Quantity Unit:	P
Number of Containers:	4
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352

Year:	2019
EM Manifest ID:	841955
Shipment Date:	9/17/2018
Receipt Date:	10/2/2018
Manifest Number:	000828679WAS
Generator EPA ID:	CAL000415727
Name:	ROLLS-ROYCE HIGH TEMPERATURE COMPOSITES
Address:	5730 KATELLA AVE
Address 2:	Not reported
City:	CYPRESS
Zip:	90630
Telephone:	800-326-1221
Contact:	Not reported
Contact Telephone:	657-337-6542
Transporter 1 EPA ID:	IND058484114

R & D BLDG PARCEL 7 (Continued) **S121666303**

Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	AZR000516211
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZD081705402
TSDF Name:	HERITAGE ENVIRONMENTAL SERVICES LLC
TSDF Address 1:	284 EAST STOREY ROAD
TSDF Address 2:	Not reported
TSDF City:	COOLIDGE
TSDF Zip:	85128-9205
TSDF Telephone:	Not reported

State:

Year:	2019
EM Manifest ID:	841955
Generator EPA ID:	CAL000415727
Shipment Date:	2018-09-17
Manifest Number:	000828679WAS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.41000
Quantity Waste:	820.000000
Quantity Unit:	P
Number of Containers:	5
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352

Year:	2019
EM Manifest ID:	841955
Generator EPA ID:	CAL000415727
Shipment Date:	2018-09-17
Manifest Number:	000828679WAS
Line Number:	2
Method Code:	H141
Quantity Tons:	0.35100
Quantity Waste:	702.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	223

Year:	2019
EM Manifest ID:	841955
Generator EPA ID:	CAL000415727
Shipment Date:	2018-09-17
Manifest Number:	000828679WAS
Line Number:	3
Method Code:	H141
Quantity Tons:	0.50250
Quantity Waste:	1005.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331

R & D BLDG PARCEL 7 (Continued) **S121666303**

Year:	2019
EM Manifest ID:	638284
Shipment Date:	9/12/2019
Receipt Date:	9/18/2019
Manifest Number:	007164398SKS
Generator EPA ID:	CAL000415727
Name:	ROLLS-ROYCE HIGH TEMPERATURE COMPOSITES
Address:	5730 KATELLA AVE
Address 2:	Not reported
City:	CYPRESS
Zip:	90630
Telephone:	800-483-3718
Contact:	Albert Venegas
Contact Telephone:	714-421-8036
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD044429835
TSDF Name:	Clean Harbors Wilmington LLC
TSDF Address 1:	1737 East Denni Street
TSDF Address 2:	Not reported
TSDF City:	Wilmington
TSDF Zip:	90744
TSDF Telephone:	800-483-3718

Federal:

Year:	2019
EM Manifest ID:	638284
Generator EPA ID:	CAL000415727
Shipment Date:	2019-09-12
Manifest Number:	007164398SKS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.04000
Quantity Waste:	80.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D007

State:

Year:	2019
EM Manifest ID:	638284
Generator EPA ID:	CAL000415727
Shipment Date:	2019-09-12
Manifest Number:	007164398SKS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.04000
Quantity Waste:	80.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	343

R & D BLDG PARCEL 7 (Continued) **S121666303**

Year:	2019
EM Manifest ID:	543185
Shipment Date:	8/7/2019
Receipt Date:	8/19/2019
Manifest Number:	000916386WAS
Generator EPA ID:	CAL000415727
Name:	ROLLS-ROYCE HIGH TEMPERATURE COMPOSITES
Address:	5730 KATELLA AVE
Address 2:	Not reported
City:	CYPRESS
Zip:	90630
Telephone:	800-326-1221
Contact:	Not reported
Contact Telephone:	657-337-6542
Transporter 1 EPA ID:	IND058484114
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	AZR000516211
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZD081705402
TSDF Name:	HERITAGE ENVIRONMENTAL SERVICES LLC
TSDF Address 1:	284 EAST STOREY ROAD
TSDF Address 2:	Not reported
TSDF City:	COOLIDGE
TSDF Zip:	85128-9205
TSDF Telephone:	Not reported

State:

Year:	2019
EM Manifest ID:	543185
Generator EPA ID:	CAL000415727
Shipment Date:	2019-08-07
Manifest Number:	000916386WAS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.39500
Quantity Waste:	790.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352

Year:	2019
EM Manifest ID:	543185
Generator EPA ID:	CAL000415727
Shipment Date:	2019-08-07
Manifest Number:	000916386WAS
Line Number:	2
Method Code:	H141
Quantity Tons:	0.13000
Quantity Waste:	260.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	223

R & D BLDG PARCEL 7 (Continued) **S121666303**

Year:	2019
EM Manifest ID:	568608
Shipment Date:	8/7/2019
Receipt Date:	9/12/2019
Manifest Number:	000916385WAS
Generator EPA ID:	CAL000415727
Name:	ROLLS-ROYCE HIGH TEMPERATURE COMPOSITES
Address:	5730 KATELLA AVE
Address 2:	Not reported
City:	CYPRESS
Zip:	90630
Telephone:	800-326-1221
Contact:	Not reported
Contact Telephone:	657-337-6542
Transporter 1 EPA ID:	IND058484114
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	AZR000516211
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	OHD980613541
TSDF Name:	HERITAGE THERMAL SERVICES INC
TSDF Address 1:	1250 SAINT GEORGE ST
TSDF Address 2:	Not reported
TSDF City:	EAST LIVERPOOL
TSDF Zip:	43920
TSDF Telephone:	Not reported

State:

Year:	2019
EM Manifest ID:	568608
Generator EPA ID:	CAL000415727
Shipment Date:	2019-08-07
Manifest Number:	000916385WAS
Line Number:	1
Method Code:	H040
Quantity Tons:	0.35000
Quantity Waste:	700.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	214

Year:	2019
EM Manifest ID:	650995
Shipment Date:	8/23/2018
Receipt Date:	9/27/2018
Manifest Number:	000828554WAS
Generator EPA ID:	CAL000415727
Name:	ROLLS-ROYCE HIGH TEMPERATURE COMPOSITES
Address:	5730 KATELLA AVE
Address 2:	Not reported
City:	CYPRESS
Zip:	90630-5005
Telephone:	800-326-1221
Contact:	Not reported
Contact Telephone:	657-337-6542
Transporter 1 EPA ID:	IND058484114

R & D BLDG PARCEL 7 (Continued) **S121666303**

Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	AZR000516211
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	OHD980613541
TSDF Name:	HERITAGE THERMAL SERVICES INC
TSDF Address 1:	1250 SAINT GEORGE ST
TSDF Address 2:	Not reported
TSDF City:	EAST LIVERPOOL
TSDF Zip:	43920
TSDF Telephone:	Not reported

State:

Year:	2019
EM Manifest ID:	650995
Generator EPA ID:	CAL000415727
Shipment Date:	2018-08-23
Manifest Number:	000828554WAS
Line Number:	1
Method Code:	H040
Quantity Tons:	1.57600
Quantity Waste:	3152.000000
Quantity Unit:	P
Number of Containers:	23
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	343

Year:	2019
EM Manifest ID:	284fb992-2302-427e-8bd8-2571b263e1d4
Shipment Date:	7/1/2019
Receipt Date:	7/11/2019
Manifest Number:	007012311SKS
Generator EPA ID:	CAL000415727
Name:	ROLLS-ROYCE HIGH TEMPERATURE COMPOSITES
Address:	5730 KATELLA AVE
Address 2:	Not reported
City:	CYPRESS
Zip:	90630
Telephone:	800-483-3718
Contact:	Bryce Port
Contact Telephone:	909-225-7360
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD044429835
TSDF Name:	Clean Harbors Wilmington LLC
TSDF Address 1:	1737 East Denni Street
TSDF Address 2:	Not reported
TSDF City:	Wilmington
TSDF Zip:	90744
TSDF Telephone:	800-483-3718

Federal:

Year:	2019
EM Manifest ID:	284fb992-2302-427e-8bd8-2571b263e1d4
Generator EPA ID:	CAL000415727

R & D BLDG PARCEL 7 (Continued) **S121666303**

Shipment Date:	2019-07-01
Manifest Number:	007012311SKS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.06000
Quantity Waste:	120.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D007

State:

Year:	2019
EM Manifest ID:	284fb992-2302-427e-8bd8-2571b263e1d4
Generator EPA ID:	CAL000415727
Shipment Date:	2019-07-01
Manifest Number:	007012311SKS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.06000
Quantity Waste:	120.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	343

Year:	2019
EM Manifest ID:	3dc19210-a0f2-4c65-87f5-689eb558f0df
Shipment Date:	5/7/2019
Receipt Date:	5/20/2019
Manifest Number:	006942786SKS
Generator EPA ID:	CAL000415727
Name:	ROLLS-ROYCE HIGH TEMPERATURE COMPOSITES
Address:	5730 KATELLA AVE
Address 2:	Not reported
City:	CYPRESS
Zip:	90630
Telephone:	800-483-3718
Contact:	Bryce Port
Contact Telephone:	909-225-7360
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD044429835
TSDF Name:	Clean Harbors Wilmington LLC
TSDF Address 1:	1737 East Denni Street
TSDF Address 2:	Not reported
TSDF City:	Wilmington
TSDF Zip:	90744
TSDF Telephone:	800-483-3718

Federal:

Year:	2019

R & D BLDG PARCEL 7 (Continued) **S121666303**

EM Manifest ID:	3dc19210-a0f2-4c65-87f5-689eb558f0df
Generator EPA ID:	CAL000415727
Shipment Date:	2019-05-07
Manifest Number:	006942786SKS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.05000
Quantity Waste:	100.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D007

State:

Year:	2019
EM Manifest ID:	3dc19210-a0f2-4c65-87f5-689eb558f0df
Generator EPA ID:	CAL000415727
Shipment Date:	2019-05-07
Manifest Number:	006942786SKS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.05000
Quantity Waste:	100.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	343

Year:	2019
EM Manifest ID:	8ca0ff17-f302-49a8-939e-c5b2d71fc002
Shipment Date:	5/28/2019
Receipt Date:	6/5/2019
Manifest Number:	007012310SKS
Generator EPA ID:	CAL000415727
Name:	ROLLS-ROYCE HIGH TEMPERATURE COMPOSITES
Address:	5730 KATELLA AVE
Address 2:	Not reported
City:	CYPRESS
Zip:	90630
Telephone:	800-483-3718
Contact:	Bryce Port
Contact Telephone:	909-225-7360
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD044429835
TSDF Name:	Clean Harbors Wilmington LLC
TSDF Address 1:	1737 East Denni Street
TSDF Address 2:	Not reported
TSDF City:	Wilmington
TSDF Zip:	90744
TSDF Telephone:	800-483-3718

R & D BLDG PARCEL 7 (Continued) **S121666303**

Federal:

Year:	2019
EM Manifest ID:	8ca0ff17-f302-49a8-939e-c5b2d71fc002
Generator EPA ID:	CAL000415727
Shipment Date:	2019-05-28
Manifest Number:	007012310SKS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.04000
Quantity Waste:	80.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D007

State:

Year:	2019
EM Manifest ID:	8ca0ff17-f302-49a8-939e-c5b2d71fc002
Generator EPA ID:	CAL000415727
Shipment Date:	2019-05-28
Manifest Number:	007012310SKS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.04000
Quantity Waste:	80.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	343

Detail Two:

Year:	2018
EM Manifest ID:	000784706WAS20170809_D_1
Shipment Date:	8/9/2017
Receipt Date:	8/17/2017
Manifest Number:	000784706WAS
Generator EPA ID:	CAL000415727
Name:	ROLLS-ROYCE HIGH TEMPERATURE COMPOSITES / BRY
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	IND058484114
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAR000243600
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZD081705402
TSDF Name:	HERITAGE ENVIRONMENTAL SERVICES
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported

R & D BLDG PARCEL 7 (Continued) **S121666303**

TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

State:

Year:	2018
EM Manifest ID:	000784706WAS20170809_D_1
Generator EPA ID:	CAL000415727
Shipment Date:	2017-08-09
Manifest Number:	000784706WAS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.13800
Quantity Waste:	276.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
State Code:	223

Year:	2018
EM Manifest ID:	000784706WAS20170809_D_1
Generator EPA ID:	CAL000415727
Shipment Date:	2017-08-09
Manifest Number:	000784706WAS
Line Number:	2
Method Code:	H141
Quantity Tons:	0.33500
Quantity Waste:	670.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331

Year:	2018
EM Manifest ID:	000881428WAS20180611_D_1
Shipment Date:	6/11/2018
Receipt Date:	6/20/2018
Manifest Number:	000881428WAS
Generator EPA ID:	CAL000415727
Name:	ROLLS-ROYCE HIGH TEMPERATURE COMPOSITES / BRY
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	IND058484114
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	AZR000516211
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZD081705402
TSDF Name:	HERITAGE ENVIRONMENTAL SERVICES
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported

R & D BLDG PARCEL 7 (Continued) **S121666303**

TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

State:

Year:	2018
EM Manifest ID:	000881428WAS20180611_D_1
Generator EPA ID:	CAL000415727
Shipment Date:	2018-06-11
Manifest Number:	000881428WAS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.33750
Quantity Waste:	675.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	NULL
Quantity Type:	NULL
State Code:	352

Year:	2018
EM Manifest ID:	000881428WAS20180611_D_1
Generator EPA ID:	CAL000415727
Shipment Date:	2018-06-11
Manifest Number:	000881428WAS
Line Number:	2
Method Code:	H141
Quantity Tons:	0.08600
Quantity Waste:	172.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	223

Year:	2018
EM Manifest ID:	000785417WAS20171221_D_1
Shipment Date:	12/21/2017
Receipt Date:	1/4/2018
Manifest Number:	000785417WAS
Generator EPA ID:	CAL000415727
Name:	ROLLS-ROYCE HIGH TEMPERATURE COMPOSITES / BRY
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	IND058484114
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	AZR000516211
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZD081705402
TSDF Name:	HERITAGE ENVIRONMENTAL SERVICES
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported

R & D BLDG PARCEL 7 (Continued) **S121666303**

TSDF City: Not reported
TSDF Zip: Not reported
TSDF Telephone: Not reported

Federal:

Year: 2018
EM Manifest ID: 000785417WAS20171221_D_1
Generator EPA ID: CAL000415727
Shipment Date: 2017-12-21
Manifest Number: 000785417WAS
Line Number: 1
Method Code: H141
Quantity Tons: 0.01750
Quantity Waste: 35.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D001

Year: 2018
EM Manifest ID: 000785417WAS20171221_D_1
Generator EPA ID: CAL000415727
Shipment Date: 2017-12-21
Manifest Number: 000785417WAS
Line Number: 1
Method Code: H141
Quantity Tons: 0.01750
Quantity Waste: 35.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D035

Year: 2018
EM Manifest ID: 000785417WAS20171221_D_1
Generator EPA ID: CAL000415727
Shipment Date: 2017-12-21
Manifest Number: 000785417WAS
Line Number: 1
Method Code: H141
Quantity Tons: 0.01750
Quantity Waste: 35.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: F005

State:

Year: 2018
EM Manifest ID: 000785417WAS20171221_D_1
Generator EPA ID: CAL000415727
Shipment Date: 2017-12-21
Manifest Number: 000785417WAS
Line Number: 2

R & D BLDG PARCEL 7 (Continued) **S121666303**

Method Code:	H141
Quantity Tons:	0.16400
Quantity Waste:	328.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
State Code:	223

Year:	2018
EM Manifest ID:	000785417WAS20171221_D_1
Generator EPA ID:	CAL000415727
Shipment Date:	2017-12-21
Manifest Number:	000785417WAS
Line Number:	3
Method Code:	H141
Quantity Tons:	1.27400
Quantity Waste:	2548.000000
Quantity Unit:	P
Number of Containers:	7
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331

Year:	2018
EM Manifest ID:	000785417WAS20171221_D_1
Generator EPA ID:	CAL000415727
Shipment Date:	2017-12-21
Manifest Number:	000785417WAS
Line Number:	4
Method Code:	H141
Quantity Tons:	0.43300
Quantity Waste:	866.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	NULL
Quantity Type:	NULL
State Code:	352

Year:	2018
EM Manifest ID:	000785418WAS20171221_D_1
Shipment Date:	12/21/2017
Receipt Date:	12/29/2017
Manifest Number:	000785418WAS
Generator EPA ID:	CAL000415727
Name:	ROLLS-ROYCE HIGH TEMPERATURE COMPOSITES / BRY
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	IND058484114
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	AZR000516211

R & D BLDG PARCEL 7 (Continued) **S121666303**

Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAT080013352
TSDF Name:	DEMENNO/KERDOON
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

State:

Year:	2018
EM Manifest ID:	000785418WAS20171221_D_1
Generator EPA ID:	CAL000415727
Shipment Date:	2017-12-21
Manifest Number:	000785418WAS
Line Number:	1
Method Code:	H039
Quantity Tons:	0.35600
Quantity Waste:	712.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
State Code:	221

Year:	2018
EM Manifest ID:	a8dbf844-19f5-4096-a907-235bd4dda0d1
Shipment Date:	11/15/2018
Receipt Date:	11/29/2018
Manifest Number:	000881180WAS
Generator EPA ID:	CAL000415727
Name:	ROLLS-ROYCE HIGH TEMPERATURE COMPOSITES
Address:	5730 KATELLA AVE
Address 2:	Not reported
City:	CYPRESS
Zip:	90630
Telephone:	800-326-1221
Contact:	Not reported
Contact Telephone:	657-337-6542
Transporter 1 EPA ID:	IND058484114
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	AZR000516211
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZD081705402
TSDF Name:	HERITAGE ENVIRONMENTAL SERVICES LLC
TSDF Address 1:	284 EAST STOREY ROAD
TSDF Address 2:	Not reported
TSDF City:	COOLIDGE
TSDF Zip:	85128-9205
TSDF Telephone:	Not reported

State:

Year:	2018
EM Manifest ID:	a8dbf844-19f5-4096-a907-235bd4dda0d1
Generator EPA ID:	CAL000415727
Shipment Date:	2018-11-15
Manifest Number:	000881180WAS

R & D BLDG PARCEL 7 (Continued) **S121666303**

Line Number:	1
Method Code:	H141
Quantity Tons:	0.74500
Quantity Waste:	1490.000000
Quantity Unit:	P
Number of Containers:	5
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352

Year:	2018
EM Manifest ID:	000785281WAS20171114_D_1
Shipment Date:	11/14/2017
Receipt Date:	11/29/2017
Manifest Number:	000785281WAS
Generator EPA ID:	CAL000415727
Name:	ROLLS-ROYCE HIGH TEMPERATURE COMPOSITES / BRY
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	IND058484114
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	AZR000516211
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZD081705402
TSDF Name:	HERITAGE ENVIRONMENTAL SERVICES
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

State:

Year:	2018
EM Manifest ID:	000785281WAS20171114_D_1
Generator EPA ID:	CAL000415727
Shipment Date:	2017-11-14
Manifest Number:	000785281WAS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.76650
Quantity Waste:	1533.000000
Quantity Unit:	P
Number of Containers:	6
Type of Container:	NULL
Quantity Type:	NULL
State Code:	352

Year:	2018
EM Manifest ID:	000785281WAS20171114_D_1
Generator EPA ID:	CAL000415727
Shipment Date:	2017-11-14
Manifest Number:	000785281WAS

R & D BLDG PARCEL 7 (Continued) **S121666303**

Line Number:	2
Method Code:	H141
Quantity Tons:	0.07950
Quantity Waste:	159.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	223

Year:	2018
EM Manifest ID:	216414
Shipment Date:	11/13/2018
Receipt Date:	11/28/2018
Manifest Number:	006619693SKS
Generator EPA ID:	CAL000415727
Name:	ROLLS-ROYCE HIGH TEMPERATURE COMPOSITES
Address:	5730 KATELLA AVE
Address 2:	Not reported
City:	CYPRESS
Zip:	90630
Telephone:	800-483-3718
Contact:	Bryce Port
Contact Telephone:	909-225-7360
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD044429835
TSDF Name:	Clean Harbors Wilmington LLC
TSDF Address 1:	1737 East Denni Street
TSDF Address 2:	Not reported
TSDF City:	Wilmington
TSDF Zip:	90744
TSDF Telephone:	800-483-3718

Federal:

Year:	2018
EM Manifest ID:	216414
Generator EPA ID:	CAL000415727
Shipment Date:	2018-11-13
Manifest Number:	006619693SKS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.04000
Quantity Waste:	80.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D007

State:

Year:	2018
EM Manifest ID:	216414
Generator EPA ID:	CAL000415727

R & D BLDG PARCEL 7 (Continued) **S121666303**

Shipment Date:	2018-11-13
Manifest Number:	006619693SKS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.04000
Quantity Waste:	80.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	343

Year:	2018
EM Manifest ID:	203947
Shipment Date:	10/29/2018
Receipt Date:	11/13/2018
Manifest Number:	000880852WAS
Generator EPA ID:	CAL000415727
Name:	ROLLS-ROYCE HIGH TEMPERATURE COMPOSITES
Address:	5730 KATELLA AVE
Address 2:	Not reported
City:	CYPRESS
Zip:	90630
Telephone:	800-326-1221
Contact:	Not reported
Contact Telephone:	657-337-6542
Transporter 1 EPA ID:	IND058484114
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	AZR000516211
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZD081705402
TSDF Name:	HERITAGE ENVIRONMENTAL SERVICES LLC
TSDF Address 1:	284 EAST STOREY ROAD
TSDF Address 2:	Not reported
TSDF City:	COOLIDGE
TSDF Zip:	85128-9205
TSDF Telephone:	Not reported

Federal:

Year:	2018
EM Manifest ID:	203947
Generator EPA ID:	CAL000415727
Shipment Date:	2018-10-29
Manifest Number:	000880852WAS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.45550
Quantity Waste:	911.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D002

State:

Year:	2018

R & D BLDG PARCEL 7 (Continued) **S121666303**

EM Manifest ID:	203947
Generator EPA ID:	CAL000415727
Shipment Date:	2018-10-29
Manifest Number:	000880852WAS
Line Number:	2
Method Code:	H141
Quantity Tons:	0.13750
Quantity Waste:	275.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	223
Year:	2018
EM Manifest ID:	203947
Generator EPA ID:	CAL000415727
Shipment Date:	2018-10-29
Manifest Number:	000880852WAS
Line Number:	3
Method Code:	H141
Quantity Tons:	0.28000
Quantity Waste:	560.000000
Quantity Unit:	P
Number of Containers:	4
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331

Additional Info:

Year:	2017
Gen EPA ID:	CAL000415727
Shipment Date:	20171221
Creation Date:	10/29/2018 18:30:14
Receipt Date:	20180104
Manifest ID:	000785417WAS
Trans EPA ID:	IND058484114
Trans Name:	HERITAGE TRANSPORT LLC-TS SIGNAL HILL
Trans 2 EPA ID:	AZR000516211
Trans 2 Name:	SALT RIVER EXTRACTION
TSDF EPA ID:	AZD081705402
Trans Name:	HERITAGE ENVIRONMENTAL SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	F005
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0175
Waste Quantity:	35
Quantity Unit:	P
Additional Code 1:	D035
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported

R & D BLDG PARCEL 7 (Continued) **S121666303**

Additional Code 5:	Not reported
Shipment Date:	20171221
Creation Date:	10/29/2018 18:30:14
Receipt Date:	20180104
Manifest ID:	000785417WAS
Trans EPA ID:	IND058484114
Trans Name:	HERITAGE TRANSPORT LLC-TS SIGNAL HILL
Trans 2 EPA ID:	AZR000516211
Trans 2 Name:	SALT RIVER EXTRACTION
TSDF EPA ID:	AZD081705402
Trans Name:	HERITAGE ENVIRONMENTAL SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.164
Waste Quantity:	328
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171221
Creation Date:	8/3/2018 18:30:48
Receipt Date:	20171229
Manifest ID:	000785418WAS
Trans EPA ID:	IND058484114
Trans Name:	HERITAGE TRANSPORT LLC-TS SIGNAL HILL
Trans 2 EPA ID:	AZR000516211
Trans 2 Name:	SALT - RIVER EXTRACTION
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO/KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.356
Waste Quantity:	712
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171221
Creation Date:	10/29/2018 18:30:14
Receipt Date:	20180104
Manifest ID:	000785417WAS
Trans EPA ID:	IND058484114

R & D BLDG PARCEL 7 (Continued) **S121666303**

Trans Name:	HERITAGE TRANSPORT LLC-TS SIGNAL HILL
Trans 2 EPA ID:	AZR000516211
Trans 2 Name:	SALT RIVER EXTRACTION
TSDF EPA ID:	AZD081705402
Trans Name:	HERITAGE ENVIRONMENTAL SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.433
Waste Quantity:	866
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171221
Creation Date:	10/29/2018 18:30:14
Receipt Date:	20180104
Manifest ID:	000785417WAS
Trans EPA ID:	IND058484114
Trans Name:	HERITAGE TRANSPORT LLC-TS SIGNAL HILL
Trans 2 EPA ID:	AZR000516211
Trans 2 Name:	SALT RIVER EXTRACTION
TSDF EPA ID:	AZD081705402
Trans Name:	HERITAGE ENVIRONMENTAL SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.274
Waste Quantity:	2548
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171114
Creation Date:	7/20/2018 18:30:15
Receipt Date:	20171129
Manifest ID:	000785281WAS
Trans EPA ID:	IND058484114
Trans Name:	HERITAGE TRANSPORT LLC-TS SIGNAL HILL
Trans 2 EPA ID:	AZR000516211
Trans 2 Name:	SALT RIVER EXTRACTION
TSDF EPA ID:	AZD081705402
Trans Name:	HERITAGE ENVIRONMENTAL SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

R & D BLDG PARCEL 7 (Continued) **S121666303**

Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.7665
Waste Quantity:	1533
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171114
Creation Date:	6/13/2018 18:31:23
Receipt Date:	20171117
Manifest ID:	000785282WAS
Trans EPA ID:	IND058484114
Trans Name:	HERITAGE TRANSPORT LLC-TS SIGNAL HILL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO/KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.165
Waste Quantity:	330
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171114
Creation Date:	7/20/2018 18:30:15
Receipt Date:	20171129
Manifest ID:	000785281WAS
Trans EPA ID:	IND058484114
Trans Name:	HERITAGE TRANSPORT LLC-TS SIGNAL HILL
Trans 2 EPA ID:	AZR000516211
Trans 2 Name:	SALT RIVER EXTRACTION
TSDF EPA ID:	AZD081705402
Trans Name:	HERITAGE ENVIRONMENTAL SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0795
Waste Quantity:	159
Quantity Unit:	P

R & D BLDG PARCEL 7 (Continued) **S121666303**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171019
Creation Date:	10/5/2018 18:30:23
Receipt Date:	20171031
Manifest ID:	000785188WAS
Trans EPA ID:	IND058484114
Trans Name:	HERITAGE TRANSPORT LLC-TS SIGNAL HILL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD081705402
Trans Name:	HERITAGE ENVIRONMENTAL SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0045
Waste Quantity:	9
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171019
Creation Date:	10/5/2018 18:30:23
Receipt Date:	20171031
Manifest ID:	000785188WAS
Trans EPA ID:	IND058484114
Trans Name:	HERITAGE TRANSPORT LLC-TS SIGNAL HILL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD081705402
Trans Name:	HERITAGE ENVIRONMENTAL SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1555
Waste Quantity:	311
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

R & D BLDG PARCEL 7 (Continued) **S121666303**

NPDES:

Name:	ROLLS ROYCE HIGH TEMPERATURE COMPOSITES
Address:	5730 KATELLA AVE
City,State,Zip:	CYPRESS, CA 90630
Facility Status:	Active
NPDES Number:	CAS000001
Region:	8
Agency Number:	0
Regulatory Measure ID:	506940
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	8 30NEC005036
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	03/25/2019
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	5730 Katella Ave
Discharge Name:	ROLLS ROYCE High Temperature Composites
Discharge City:	Cypress
Discharge State:	California
Discharge Zip:	90630
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

Name:	ROLLS ROYCE HIGH TEMPERATURE COMPOSITES
Address:	5730 KATELLA AVE
City,State,Zip:	CYPRESS, CA 90630
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	8 30NEC005036
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	03/25/2019
Operator Name:	ROLLS ROYCE High Temperature Composites
Operator Address:	5730 Katella Ave

R & D BLDG PARCEL 7 (Continued) **S121666303**

Operator City: Cypress
Operator State: California
Operator Zip: 90630

CIWQS:
Name: R & D BLDG PARCEL 7
Address: 5730 KATELLA AVE
City,State,Zip: CYPRESS, CA 90630
Agency: Warland Investment Co
Agency Address: 1299 Ocean Ave Ste 300, Santa Monica, CA 90401
Place/Project Type: Construction - Commercial, Utility, Industrial
SIC/NAICS: Not reported
Region: 8
Program: CONSTW
Regulatory Measure Status: Terminated
Regulatory Measure Type: Storm water construction
Order Number: 99-08DW
WDID: 8 30C315253
NPDES Number: CAS000002
Adoption Date: Not reported
Effective Date: 03/14/2001
Termination Date: 01/15/2002
Expiration/Review Date: Not reported
Design Flow: Not reported
Major/Minor: Not reported
Complexity: Not reported
TTWQ: Not reported
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 33.802917
Longitude: -118.033351

Name: ROLLS ROYCE HIGH TEMPERATURE COMPOSITES
Address: 5730 KATELLA AVE
City,State,Zip: CYPRESS, CA 90630
Agency: ROLLS ROYCE High Temperature Composites
Agency Address: 5730 Katella Ave, Cypress, CA 90630
Place/Project Type: Industrial - Nonmetallic Mineral Products, NEC
SIC/NAICS: 3299(+)
Region: 8
Program: INDSTW
Regulatory Measure Status: Active
Regulatory Measure Type: Storm water industrial
Order Number: 2014-0057-DWQ
WDID: 8 30NEC005036
NPDES Number: CAS000001
Adoption Date: Not reported
Effective Date: 03/25/2019
Termination Date: Not reported
Expiration/Review Date: Not reported
Design Flow: Not reported
Major/Minor: Not reported
Complexity: Not reported
TTWQ: Not reported
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 33.80227

R & D BLDG PARCEL 7 (Continued) **S121666303**

Longitude: -118.03343

CERS:
Name: ROLLS ROYCE HIGH TEMPERATURE COMPOSITES
Address: 5730 KATELLA AVE
City,State,Zip: CYPRESS, CA 90630
Site ID: 541159
CERS ID: 871204
CERS Description: Industrial Facility Storm Water

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 04-06-2020
Violations Found: No
Eval Type: Construction Storm Water Compliance Evaluation
Eval Notes: Regional Board staff conducted a drive-by inspection of the above facility on April 6, 2020 to verify compliance with the No Exposure Certification. No exposure was observed at the facility. The facility meets the requirements for No Exposure Certification as defined by the Industrial General Permit.
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS,

Affiliation:
Affiliation Type Desc: Owner/Operator
Entity Name: ROLLS ROYCE High Temperature Composites
Entity Title: Operator
Affiliation Address: 5730 Katella Ave
Affiliation City: Cypress
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90630
Affiliation Phone: ,

Name: ROLLS-ROYCE HIGH TEMPERATURE COMPOSITES (KATELLA)
Address: 5730 KATELLA AVE
City,State,Zip: CYPRESS, CA 90630
Site ID: 370342
CERS ID: 10664809
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 370342
Site Name: Rolls-Royce High Temperature Composites (Katella)
Violation Date: 03-30-2021
Citation: 22 CCR 23 66273.35 - California Code of Regulations, Title 22, Chapter 23, Section(s) 66273.35
Violation Description: Failure to accumulate universal waste for one year or less and to demonstrate the length of time that the universal waste has been accumulated from the date it became a waste or was received.
Violation Notes: Returned to compliance on 08/12/2021. Observed the following containers past the allotted accumulation time frame: - (1) 1 gallon container of Alkaline Batteries (dated 3/26/2019) - (1) 1 gallon container of Lithium Batteries (dated 4/1/2019) Please have the universal waste listed above hauled by a registered hazardous waste

R & D BLDG PARCEL 7 (Continued) **S121666303**

	hauler and provide a copy of the manifest or bill of lading to this Agency within 30 days.
Violation Division:	Orange County Environmental Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	370342
Site Name:	Rolls-Royce High Temperature Composites (Katella)
Violation Date:	04-28-2021
Citation:	22 CCR 45 67450.3(c)(9)(F) - California Code of Regulations, Title 22, Chapter 45, Section(s) 67450.3(c)(9)(F)
Violation Description:	Failure to obtain and maintain a written assessment reviewed and certified by an independent, qualified, professional engineer prior to placing the tank system in service. The written assessment shall state that, the new hazardous waste tank system has sufficient structural integrity, is acceptable for the transferring, storing and treating of hazardous waste, and that the tanks and containment system including the foundation, structural support, seams, connections, and pressure controls (if applicable) are suitably designed to meet the regulation. The tank assessment shall be valid for five (5) years.
Violation Notes:	Returned to compliance on 04/28/2021. Facility replaced the cracked neutralization sink without prior CUPA approval. Written tank assessment certified by a qualified PE was not obtained prior to putting the replacement tank into use. This violation has been corrected as the replacement tank has been changed out in favor of the original (repaired) tank. 22 CCR 15 66265.192(m).
Violation Division:	Orange County Environmental Health
Violation Program:	CA
Violation Source:	CERS,
Site ID:	370342
Site Name:	Rolls-Royce High Temperature Composites (Katella)
Violation Date:	04-11-2019
Citation:	22 CCR 45 67450.3(c)(8)(G) - California Code of Regulations, Title 22, Chapter 45, Section(s) 67450.3(c)(8)(G)
Violation Description:	Failure to prepare a written closure plan, to notify CUPA 15 days prior to the completion of closure, or to submit to CUPA a closure certification signed by the owner/operator and an independent P.E.
Violation Notes:	Returned to compliance on 03/30/2021. OBSERVATION: Closure plan for TP-PBR unit was not available for review. CORRECTIVE ACTION: Submit a copy of the closure plan to this Agency within 30 days.
Violation Division:	Orange County Environmental Health
Violation Program:	PBR
Violation Source:	CERS,
Site ID:	370342
Site Name:	Rolls-Royce High Temperature Composites (Katella)
Violation Date:	04-11-2019
Citation:	22 CCR 45 67450.3(c)(9)(A) - California Code of Regulations, Title 22, Chapter 45, Section(s) 67450.3(c)(9)(A)
Violation Description:	Failure of an owner or operator to obtain a detailed chemical and physical analysis of a representative sample of the waste, which includes all information necessary to manage waste in accordance with the requirements, and to meet LDR requirements; Failure to analyze wastes according to the frequency specified in the plan and to retain waste analysis documentation for three years.
Violation Notes:	OBSERVATION: Waste Analysis Plan with waste analysis records was not

R & D BLDG PARCEL 7 (Continued) **S121666303**

	available for review. CORRECTIVE ACTION: Submit a Waste Analysis Plan with records for the TP-PBR unit to this Agency within 30 days.
Violation Division:	Orange County Environmental Health
Violation Program:	PBR
Violation Source:	CERS,
Site ID:	370342
Site Name:	Rolls-Royce High Temperature Composites (Katella)
Violation Date:	04-16-2020
Citation:	22 CCR 45 67450.3(c)(10) - California Code of Regulations, Title 22, Chapter 45, Section(s) 67450.3(c)(10)
Violation Description:	Failure of the owner or operator of a fixed treatment unit (FTU), upon request by the CUPA or authorized agency, to prepare, and submit to CUPA a complete annual report detailing treatment activities conducted during the calendar year preceding the request.
Violation Notes:	Returned to compliance on 08/03/2020. As a facility conducting treatment of hazardous waste under the PBR tier you are required to annually submit notification of onsite hazardous waste treatment to CERS by March 1st. Notification of hazardous waste treatment was last submitted to CERS on 06/05/2019. Submit the notification for onsite hazardous waste treatment to CERS by 05/16/2020.
Violation Division:	Orange County Environmental Health
Violation Program:	PBR
Violation Source:	CERS,
Site ID:	370342
Site Name:	Rolls-Royce High Temperature Composites (Katella)
Violation Date:	03-30-2021
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 08/12/2021. Each hazardous waste container observed throughout the facility was missing the hazard class on the hazardous waste label. (3) of the labels of Trim C390 Coolant were also missing the physical state. These labels were corrected during the inspection and no further action is required. The additional observations listed below must be corrected immediately: - Observed the following drums containing hazardous waste that were incorrectly labeled as "non-hazardous" located on the production floor: - (4) 55 gallon fiber drums of Silicon Carbide waste (labeled as Special Waste Solids) - The following containers were observed without hazardous waste labels: - One 5 gallon plastic container of Oily Debris/Sludge - Day cans throughout production floor - One 55 gallon plastic drum of Oily Water in the oil/water treatment area - Observed (1) 30 gallon plastic drum of Oily Rags incorrectly labeled as Used Oil Filters. Please correct the labeling for the [Truncated]
Violation Division:	Orange County Environmental Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	370342
Site Name:	Rolls-Royce High Temperature Composites (Katella)
Violation Date:	04-28-2021

R & D BLDG PARCEL 7 (Continued) **S121666303**

Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Household Hazardous Waste - Release/Leaks/Spills - General
Violation Notes: Returned to compliance on 11/02/2021. Facility repaired crack to primary tank of acid neutralization sink without obtaining certification by a qualified PE that the repaired system is capable of handling hazardous wastes without release for the intended life of the system. Please submit a PE tank assessment for the repaired tank to this Agency within 60 days. 23 CCR 66265.196(g).
Violation Division: Orange County Environmental Health
Violation Program: CA
Violation Source: CERS,

Site ID: 370342
Site Name: Rolls-Royce High Temperature Composites (Katella)
Violation Date: 04-24-2018
Citation: HSC 6.5 25200.14(b)(1) - California Health and Safety Code, Chapter 6.5, Section(s) 25200.14(b)(1)
Violation Description: Failure to submit a Phase I Checklist to DTSC within one year of commencing operations.
Violation Notes: Returned to compliance on 07/27/2018.
Violation Division: Orange County Environmental Health
Violation Program: CA
Violation Source: CERS,

Site ID: 370342
Site Name: Rolls-Royce High Temperature Composites (Katella)
Violation Date: 03-30-2021
Citation: 22 CCR 45 67450.13(a)(2) - California Code of Regulations, Title 22, Chapter 45, Section(s) 67450.13(a)(2)
Violation Description: Failure to adjust Closure Costs for inflation/deflation by March 1st.
Violation Notes: Returned to compliance on 03/30/2021. Owner/Operator did not submit a complete adjustment for the Closure Cost Estimate to CERS by March 1 of 2021. Owner/Operator has submitted to CERS. No further action required.
Violation Division: Orange County Environmental Health
Violation Program: CA
Violation Source: CERS,

Site ID: 370342
Site Name: Rolls-Royce High Temperature Composites (Katella)
Violation Date: 09-26-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 08/16/2018. Resubmit an accurate hazardous materials inventory as observed during inspection conducted 4/27/17 to this Agency within 30 days.
Violation Division: Orange County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 370342
Site Name: Rolls-Royce High Temperature Composites (Katella)
Violation Date: 04-16-2020

R & D BLDG PARCEL 7 (Continued) **S121666303**

Citation:	HSC 6.5 25200.3(e) - California Health and Safety Code, Chapter 6.5, Section(s) 25200.3(e)
Violation Description:	Failure to submit the signature page for the onsite treatment notification.
Violation Notes:	Returned to compliance on 05/19/2020. As a facility conducting treatment of hazardous waste under the CA tier you are required to annually submit the waste minimization statement to CERS by March 1st. The waste minimization statement was last submitted to CERS on 06/05/2019. Submit an updated closure cost estimate to CERS by 05/16/2020. Waste Minimization Statement HSC 25200.3(C)2) & HSC 25202.9
Violation Division:	Orange County Environmental Health
Violation Program:	CA
Violation Source:	CERS,
Site ID:	370342
Site Name:	Rolls-Royce High Temperature Composites (Katella)
Violation Date:	04-16-2020
Citation:	22 CCR 45 67450.13(a)(2) - California Code of Regulations, Title 22, Chapter 45, Section(s) 67450.13(a)(2)
Violation Description:	Failure to adjust Closure Costs for inflation/deflation by March 1st.
Violation Notes:	Returned to compliance on 05/27/2020. As a facility conducting treatment of hazardous waste under the CA tier you are required to annually submit a written estimate of your closure cost to CERS by March 1st. A written estimate of the closure cost was last submitted to CERS on 06/05/2019. Submit an updated closure cost estimate to CERS by 05/16/2020.
Violation Division:	Orange County Environmental Health
Violation Program:	CA
Violation Source:	CERS,
Site ID:	370342
Site Name:	Rolls-Royce High Temperature Composites (Katella)
Violation Date:	04-11-2019
Citation:	22 CCR 45 67450.3(c)(9)(F) - California Code of Regulations, Title 22, Chapter 45, Section(s) 67450.3(c)(9)(F)
Violation Description:	Failure to obtain and maintain a written assessment reviewed and certified by an independent, qualified, professional engineer prior to placing the tank system in service. The written assessment shall state that, the new hazardous waste tank system has sufficient structural integrity, is acceptable for the transferring, storing and treating of hazardous waste, and that the tanks and containment system including the foundation, structural support, seams, connections, and pressure controls (if applicable) are suitably designed to meet the regulation. The tank assessment shall be valid for five (5) years.
Violation Notes:	OBSERVATION: One-time PE certification for secondary containment of 55-gal containers not available for review. CORRECTIVE ACTION: Submit a copy of the PE Certification within 60 days.
Violation Division:	Orange County Environmental Health
Violation Program:	PBR
Violation Source:	CERS,
Site ID:	370342
Site Name:	Rolls-Royce High Temperature Composites (Katella)
Violation Date:	04-24-2018
Citation:	22 CCR 18 66268.7(a) - California Code of Regulations, Title 22, Chapter 18, Section(s) 66268.7(a)

R & D BLDG PARCEL 7 (Continued) **S121666303**

Violation Description: Failure to determine if the waste has to be treated before it can be land disposed and retain the documentation at least three years from the date that the waste was last sent to on-site or off-site treatment, storage, or disposal.
Violation Notes: Returned to compliance on 07/10/2018.
Violation Division: Orange County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 370342
Site Name: Rolls-Royce High Temperature Composites (Katella)
Violation Date: 04-11-2019
Citation: 22 CCR 45 67450.3(c)(9)(A) - California Code of Regulations, Title 22, Chapter 45, Section(s) 67450.3(c)(9)(A)
Violation Description: Failure to prepare a treatment system inspection program and the log of inspections conducted, and maintain onsite for three years.
Violation Notes: Returned to compliance on 03/30/2021. OBSERVATION: Facility does not have a written inspection schedule for the containers. CORRECTIVE ACTION: Implement a written inspection schedule and submit documentation to this Agency within 30 days.
Violation Division: Orange County Environmental Health
Violation Program: PBR
Violation Source: CERS,

Site ID: 370342
Site Name: Rolls-Royce High Temperature Composites (Katella)
Violation Date: 05-04-2021
Citation: HSC 6.5 25201(a) - California Health and Safety Code, Chapter 6.5, Section(s) 25201(a)
Violation Description: Failure of a storage facility, treatment facility, transfer facility, resource recovery facility, or disposal site to accept, treat, store, or dispose of a hazardous waste at the facility, area, or site, without a hazardous waste facilities permit or other grant of authorization from the department, or a permit-by-rule, conditional authorization, or conditional exemption permit from the CUPA.
Violation Notes: Returned to compliance on 08/05/2021. The facility adds absorbent to the post-treatment waste solids prior to having them hauled as hazardous waste. The addition of absorbent to containers of hazardous waste is only excluded from permitting requirements if the conditions in 22 CCR 66270.1(c)(2)(D) are met. The facility does not currently meet these conditions. Please review the conditions specified and either fully comply with them or cease the practice of adding absorbent to the post-treatment solids. Notify this agency in writing within 30 days as to which action the facility is taking to correct this violation.
Violation Division: Orange County Environmental Health
Violation Program: PBR
Violation Source: CERS,

Site ID: 370342
Site Name: Rolls-Royce High Temperature Composites (Katella)
Violation Date: 04-11-2019
Citation: HSC 6.5 25200.3(c)(7) - California Health and Safety Code, Chapter 6.5, Section(s) 25200.3(c)(7)
Violation Description: Failure to prepare and maintain onsite for five years, a treatment system inspection program and the log of inspections conducted.
Violation Notes: Returned to compliance on 03/30/2021. OBSERVATION: Facility does not

R & D BLDG PARCEL 7 (Continued) **S121666303**

have a written inspection schedule. CORRECTIVE ACTION: Implement a written inspection schedule for the tanks and submit copy of document to this Agency within 30 days.

Violation Division: Orange County Environmental Health
Violation Program: CA
Violation Source: CERS,

Site ID: 370342
Site Name: Rolls-Royce High Temperature Composites (Katella)
Violation Date: 03-30-2021
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes: Returned to compliance on 08/10/2021. Business did not update the hazardous materials inventory in the California Environmental Reporting System (CERS) within 30 days of a 100 percent or more increase in the quantity of a previously disclosed material and handling of a previously undisclosed hazardous material. Please update the amount of the material below: - Argon, compressed gas - 6,783 cubic feet Please add the following materials: - Acid/Oil Treatment Container - Acid Neutralization Tanks (2) - Helium, compressed gas - Metalworking Fluid - Mechanical Vacuum Pump Oil - Propylene Glycol - Waste Propylene Glycol - Waste Silicon Carbide Strips Submit corrections to this Agency via CERS within 30 days at http://cers.calepa.ca.gov/.
Violation Division: Orange County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 370342
Site Name: Rolls-Royce High Temperature Composites (Katella)
Violation Date: 04-10-2020
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 07/27/2020. The facility failed to submit the hazardous materials business emergency plan on CERS by the due date of March 1, 2020. Corrective action: Within 30 days, notify this Agency that the hazardous materials inventory has been submitted.
Violation Division: Orange County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 370342
Site Name: Rolls-Royce High Temperature Composites (Katella)
Violation Date: 03-30-2021
Citation: 22 CCR 45 67450.13(a)(2) - California Code of Regulations, Title 22, Chapter 45, Section(s) 67450.13(a)(2)
Violation Description: Failure to adjust Closure Costs for inflation / deflation by March 1st

R & D BLDG PARCEL 7 (Continued) **S121666303**

Violation Notes:	Returned to compliance on 03/30/2021. Owner/Operator did not submit a complete adjustment for the Closure Cost Estimate to CERS by March 1 of 2021. Owner/Operator has submitted to CERS. No further action required.
Violation Division:	Orange County Environmental Health
Violation Program:	PBR
Violation Source:	CERS,
Site ID:	370342
Site Name:	Rolls-Royce High Temperature Composites (Katella)
Violation Date:	04-11-2019
Citation:	22 CCR 45 67450.3(c)(9)(F) - California Code of Regulations, Title 22, Chapter 45, Section(s) 67450.3(c)(9)(F)
Violation Description:	Failure to obtain and maintain a written assessment reviewed and certified by an independent, qualified, professional engineer prior to placing the tank system in service. The written assessment shall state that, the new hazardous waste tank system has sufficient structural integrity, is acceptable for the transferring, storing and treating of hazardous waste, and that the tanks and containment system including the foundation, structural support, seams, connections, and pressure controls (if applicable) are suitably designed to meet the regulation. The tank assessment shall be valid for five (5) years.
Violation Notes:	Returned to compliance on 03/30/2021. OBSERVATION: PE certification is required for the neutralization tank that was installed in late 2018. CORRECTIVE ACTION: Provide a copy of the PE certification for the tank to this Agency within 60 days.
Violation Division:	Orange County Environmental Health
Violation Program:	CA
Violation Source:	CERS,
Site ID:	370342
Site Name:	Rolls-Royce High Temperature Composites (Katella)
Violation Date:	03-30-2021
Citation:	22 CCR 15 66265.16 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.16
Violation Description:	Failure to provide employees with hazardous waste training program of class room instructions or on-the-job training within the first six months after the date of their employment or assignment to a facility, or to a new position at a facility and annually thereafter. Training records on current personnel shall be kept until closure of the facility and for former employees the record shall be kept for at least three years from the date the employee last worked at the facility. The records shall include the following: the job title for each position at the facility related to hazardous waste management, and the name of the employee filling each job; a written job description for each position, duties of facility personnel assigned to each position, and a written description of the type and amount of both introductory and continuing training that will be given to each person filling a position.
Violation Notes:	Returned to compliance on 11/01/2021. Facility failed to provide employees with hazardous waste training and maintain records that include the following: - Job title for each position at the facility related to hazardous waste management - Name of the employee filling each job - Written job description for each position - Duties of facility personnel assigned to each position, - Written description of the type and amount of training Immediately conduct training and provide records containing the listed information to this Agency

R & D BLDG PARCEL 7 (Continued) **S121666303**

within 30 days.
Violation Division: Orange County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 370342
Site Name: Rolls-Royce High Temperature Composites (Katella)
Violation Date: 03-24-2022
Citation: 22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description: Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.
Violation Notes: Facility generates RCRA hazardous waste and has not obtained a Federal EPA ID Number. Immediately apply for a Federal EPA ID Number and notify this Agency within 5 days of the number being assigned.
Violation Division: Orange County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 370342
Site Name: Rolls-Royce High Temperature Composites (Katella)
Violation Date: 04-16-2020
Citation: 22 CCR 45 67450.13(a)(2) - California Code of Regulations, Title 22, Chapter 45, Section(s) 67450.13(a)(2)
Violation Description: Failure to adjust Closure Costs for inflation / deflation by March 1st
Violation Notes: Returned to compliance on 05/19/2020. As a facility conducting treatment of hazardous waste under the PBR tier you are required to annually submit a written estimate of your closure cost to CERS by March 1st. A written estimate of the closure cost was last submitted to CERS on 06/05/2019. Submit an updated closure cost estimate to CERS by 05/16/2020.
Violation Division: Orange County Environmental Health
Violation Program: PBR
Violation Source: CERS,

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 07-06-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: This is an off site inspection to follow up on the outstanding violations cited on 4/11/2019 and 5/4/2021. The following violations remain outstanding and must be corrected immediately: - I009: Failure to obtain and maintain a written assessment reviewed and certified by an independent, qualified, professional engineer prior to placing the tank system in service. The written assessment shall state that, the new hazardous waste tank system has sufficient structural integrity, is acceptable for the transferring, storing and treating of hazardous waste, and that the tanks and containment system including the foundation, structural support, seams, connections, and pressure controls (if applicable) are suitably designed to meet the regulation. The tank assessment shall be valid for 5 years. - I023: Failure of an owner or operator to obtain a detailed chemical and physical analysis of a representative sample of the waste, which includes all information necessary [Truncated]
Eval Division: Orange County Environmental Health

R & D BLDG PARCEL 7 (Continued) **S121666303**

Eval Program: PBR
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-10-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: This Agency has received the following documentation submitted to CERS on 8/5/2021 which has been reviewed and ACCEPTED: - Hazardous Materials Inventory Violation I336 has been corrected. REMINDER: Please re-certify your HMBEP annually between January 1st March 1st at http://cers.calepa.ca.gov/.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-10-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: This is an off site follow up inspection to the routine inspection conducted on 3/30/2021. This Agency has received notification that the facility has ceased the practice of adding absorbent to post-treatment solids prior to having them hauled as hazardous waste. Violation I141 has been corrected. The following violations remain outstanding and must be corrected immediately: - I023: Failure of an owner or operator to obtain a detailed chemical and physical analysis of a representative sample of the waste. - I009: Failure to obtain and maintain a written assessment reviewed and certified by an independent, qualified, professional engineer prior to placing the tank system in service. Robert Hays of Rolls Royce has notified this Agency on 8/5/21 that a PE Assessment and Waste Analysis Plan to address violations I023 and I009 are being prepared and will be submitted once complete. Please provide the necessary documentation to this Agency within 30 days to the [Truncated]
Eval Division: Orange County Environmental Health
Eval Program: PBR
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-12-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: This Agency has reviewed documentation and/or photographs demonstrating that the following items have been corrected: - The Universal Waste observed on 3/30/2021 which was past the accumulation time frame has been hauled by a registered hazardous waste hauler. - Photographs demonstrating that all hazardous waste labels now contain all of the required information. - Robert Hays has notified this Agency that the Silicon Carbide material stored in the drums labeled "non-hazardous" have been confirmed to be non-hazardous according to the Safety Data Sheet. - The plastic drum storing Oily Rags but labeled Used Oil Filters has been correctly labeled as Oily Rags. Violations I181 and I400 have been corrected. The following violation remains outstanding and must be corrected immediately: - I126: Failure to provide employees with a hazardous waste training program of class room instructions or on-the-job training within the first six months

R & D BLDG PARCEL 7 (Continued) **S121666303**

after the date [Truncated]

Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-20-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: The purpose of this offsite inspection reports is to follow up on violations that were noted on a previous inspection report. The following violation has been corrected: - I335: Failure of the owner or operator of a fixed treatment unit (FTU), upon request by the CUPA or authorized agency, to prepare, and submit to CUPA a complete annual report detailing treatment activities conducted during the calendar year preceding the request The following violations are outstanding and must be corrected IMMEDIATELY: -I019: a written inspection log for containers is not being maintained -I023: waste analysis records were missing from the Waste Analysis Plan -I009: one-time certification by a Professional Engineer of secondary containment holding containers where treatment is being conducted has not been completed -I015: a written Closure Plan was not available for review Submit the required documentation to this Agency immediately.

Eval Division: Orange County Environmental Health
Eval Program: PBR
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-30-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On site for a routine Conditionally Authorized (CA) tiered permitting inspection. Also present was Susan Berg of OCHCA. Consent to enter and take necessary photos was granted by Robert Hays. Facility is also regulated for treatment of hazardous waste under the Permit by Rule (PBR) tier. The facility has two neutralization tanks (sinks) which alternate usage. The treatment process involves neutralization of acidic waste water generated from the acid residue present on the furnace fittings in the facility's process room. Neutralized waste water is then discharged to sewer and non-hazardous solid waste residues are disposed of at an off site location. Mr. Hays confirmed that one of the 160 gallon tanks was replaced in 2018 due to a crack in the tank. There have been no releases in the last three years. The treatment systems are labeled with the required facility information. The following documents were available for review: - Treatment Logs - Inspection Logs - [Truncated]

Eval Division: Orange County Environmental Health
Eval Program: CA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-11-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On site for routine Permit by Rule inspection. Consent to enter, inspect, and take photographs was given by Robert Hays. Also present was Susan Berg of OCHCA. Facility is also regulated for the treatment

R & D BLDG PARCEL 7 (Continued) **S121666303**

of hazardous waste under the CA tier. The facility conducts treatment of acidic waste oil which is generated during routine maintenance of vacuum pumps. The waste oil is transferred to a 55-gallon poly drum. The waste is subject to neutralization and phase separation (gravity settling.) After separation, top layer of oil and remaining sludge are hauled off as non-RCRA hazardous waste. Mr. Hays confirmed that there have been no changes to the system and no releases in the previous three years. The following documents were available for review: inspection log and Phase 1 Environmental checklist. Annual Tiered Permitting notification documents were received for 2019.

Eval Division: Orange County Environmental Health
Eval Program: PBR
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-27-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site to conduct a routine Hazardous Materials Business Emergency Plan inspection. Consent to inspect and take photos was provided by Emer Higgins the Head of Operations. A walk through of the facility was conducted. The following Hazardous Substances were observed being stored at above the reporting threshold and must be updated in the CERS HMBEP inventory: HM -Boron Trichoride -Nitrogen Liquid -Nitrogen gas -Argon gas -Sodium Hydroxide solid -Ammonia gas -Methyltrichlorosilane -Mobil DTE 25 oil -AFFF foam -Propane -Heat Transfer Fluid -Hydrogen liquid -Hydrogen gas -Acid treatment tank -Methane gas -300 gallon Sodium Hydroxide tank -Superla White Oil HW -Waste hydraulic oil -Waste Corrosive oil -Waste Propylene Glycol -Waste Acid treatment tanks -Waste Acid and oil treatment containers This facility is responsible for identifying all hazardous materials and hazardous wastes, which are above the following disclosure thresholds: Solids > [Truncated]

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-27-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Rolls-Royce High Temperature Composites Inc. 5730 Katella Ave. Cypress, CA 90630 Owner : Rolls-Royce America Contact : Emer Higgins (emer.higgins@rolls-royce.com) Onsite to conduct a new hazardous waste generator inspection. Consent to enter, inspect and take photographs was given by Emer Higgins the Head of Operations. (photos taken) The facility has moved from 18411 Gothard St. Ste BCDEF, Huntington Beach (FA0062538) The facility makes high temperature composites. Hazardous waste is generated, treated and stored in the facility. -The main HW storage area is inside the rear of the facility and in the vacuum pump maintenance room. -All Hazardous wastes are stored on secondary containment pallets. -All hazardous waste containers were be properly labeled with the words "hazardous waste", waste name, owner information, hazardous property, physical state and accumulation date. -All hazardous waste containers were closed. -All hazardous waste disposed, [Truncated]

Eval Division: Orange County Environmental Health

R & D BLDG PARCEL 7 (Continued) **S121666303**

Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-06-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: This is an off site inspection to follow up on the outstanding violations cited on 3/30/2021. The following violations remain outstanding and must be corrected immediately: - I126: Failure to provide employees with a hazardous waste training program of class room instruction or on-the-job training within the first six months after the date of their employment or assignment to a facility, or to a new position at a facility and annually thereafter. Training records on current personnel shall be kept until closure of the facility and for former employees the record shall be kept for at least three years from the date the employee last worked at the facility. The records shall include the following: the job title for each position at the facility related to hazardous waste management, and the name of the employee filling each job; a written job description for each position, duties of facility personnel assigned to each position, and a written description of the type [Truncated]
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-04-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Talk with Dean and Darwin about
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-16-2020
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: This facility conducts treatment of acidic waste under the Conditionally Authorized (CA) treatment tier. As a facility conducting treatment under CA you are required to annually submit the estimated closure cost and waste minimization statement by March 1st the California Environmental Reporting System (CERS). To date facility has not submitted the required documentation for 2020. During the 04/11/2019 onsite inspection by this agency the following violations were observed and remain outstanding: -I401: written inspection schedule was not available for review -I008: Professional Engineer Certification for the neutralization tank installed in 2018 Violation I401 has been elevated to a Class II violation. Submit the required documentation listed in violations I401 and I008 to this agency immediately.
Eval Division: Orange County Environmental Health
Eval Program: CA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

R & D BLDG PARCEL 7 (Continued) **S121666303**

Eval Date: 04-27-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Rolls-Royce High Temperature Composites Inc. 5730 Katella Ave. Cypress, CA 90630 Owner : Rolls-Royce America Contact : Emer Higgins (emer.higgins@rolls-royce.com) A Tiered Permiting inspection was conducted with the facility contact Emer Higgins, Daeny Susanto, Ross Galligher and Orange County Health Hazmat Supervisor Susan Berg. The facility has notified in CERS (10664809) for 3 Conditionally Authorized Units. A walk through of the process and treatment system areas was conducted. The facility generates acid wastes from cleaning parts in a sink/tank, which is neutralized and the neutralized liquids are disposed to the POTW. There are two 100 gallon tanks used for neutralization and a sampling tank which the 2 tanks drain to before going to the sewer. The other treatment units disclosed treat oily waste parts washing solution containing acid generated during the maintenance and cleaning of vacuum pumps. The waste solution is neutralized and set to the [Truncated]
Eval Division: Orange County Environmental Health
Eval Program: CA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-28-2021
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: This is a follow up to the on site inspection conducted on 3/30/2021. Mr. Hays has since provided additional details regarding the repair and usage of the neutralization tank. Per Mr. Hays, One sink appears to have had a crack develop in October 2018. It was temporarily taken out of service and sent for repair. A new sink was replaced in kind with the same design of the original sink this sink operated for several months. When the original sink was repaired it was reinstalled and has been in place since.
Eval Division: Orange County Environmental Health
Eval Program: CA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-06-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: This is an off site inspection to follow up on the outstanding violation cited on 4/28/2021. The following violation remains outstanding and must be corrected immediately: - I023: Failure to obtain certification by a qualified PE that the repaired system is capable of handling hazardous wastes without release for the intended life of the system. 23 CCR 66265.196(g). Immediately correct the outstanding violation listed above and provide documentation and/or photographs demonstrating compliance to this Agency within 30 days. Failure to comply within 30 days may result in further enforcement action(s). An additional hourly fee will be assessed for the second or greater follow-up inspection in accordance with the current fee schedule, which is available at http://ochealthinfo.com/eh/home/fees.
Eval Division: Orange County Environmental Health
Eval Program: CA
Eval Source: CERS,

R & D BLDG PARCEL 7 (Continued) **S121666303**

Eval General Type: Other/Unknown
Eval Date: 09-26-2017
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: A review of the facility's CERS (California Environmental Reporting System) Hazardous Materials Disclosure and Business Emergency Plan was conducted. Business Owner/Operator Identification declined - Your submission states ownership is under Rolls Royce North America, whereas your facility name is Rolls-Royce High Temperature Composites, Inc. Please verify and resubmit with the correct ownership of the facility. Hazardous Materials Inventory Declined - Per inspection conducted 4/27/17 several Hazardous Materials above disclosure thresholds were observed on site, which are not disclosed on this inventory. Add the following to your inventory: Mobil DTE25 Oil, AFFF Foam, Propane, Heat Transfer Fluid, Liquid Hydrogen, Acid Treatment Tank, Superla White Oil, Waste Hydraulic Oil, Waste Corrosive Oil, Waste Propylene Glycol, Waste Acid Treatment Tank, Waste Acid and Oil Treatment Containers. The facility is being cited a violation for failure to submit an accurate [Truncated]
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-24-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: This report supercedes all other reports issued by this Agency. This Agency has reviewed copies of the following documentation: 1) Waste Analysis Plan - The oil waste being treated under PBR has been characterized by the generator as corrosive. 2) One-time PE Certified Tank Assessment for 55-gal treatment container (certified 7/9/2021). Documents appear to be accurate and complete. Violations I023 and I009 have been corrected.
Eval Division: Orange County Environmental Health
Eval Program: PBR
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-24-2022
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Facility generates characteristic RCRA waste that exhibits corrosive properties prior to on-site treatment and has not obtained a Federal EPA ID Number.
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-30-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On site for a routine Permit by Rule (PBR) tiered permitting inspection. Also present was Susan Berg of OCHCA. Consent to enter and take necessary photos was granted by Robert Hays. Facility is also regulated for treatment of hazardous waste under the Conditionally

R & D BLDG PARCEL 7 (Continued) **S121666303**

Authorized (CA) tier. The facility has one treatment system for the management of acidic waste oil. The treatment process involves neutralization in one 55 gallon drum followed by phase separation through gravity settling. The top layer of oil is siphoned off into a separate 55 gallon drum and absorbent is added to the remaining sludge where both drums are hauled off as non-RCRA hazardous waste. Mr. Hays confirmed that there have been no changes to the system and no releases in the previous three years. The treatment systems are labeled with the required facility information. The following documents were available for review: - Inspection Logs - Inspection Schedule - Closure Plan - Sewer Agency [Truncated]

Eval Division: Orange County Environmental Health
Eval Program: PBR
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-10-2020
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: The facility has failed to submit the Hazardous Materials Business Emergency Plan by the deadline March 1, 2020. To correct the violation log on to CERS and submit the business plan for the year 2020. A copy of this report was sent to robert.hays@rolls-royce.com.

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-24-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: INSPECTOR COMMENTS: On site to conduct a routine Tiered Permitting inspection, accompanied by Dean Freed, Supervising Hazardous Materials Specialist. Consent to inspect and take any necessary photos was given by Robert Hays, HSE Business Partner. The facility has three units of treatment: 1. pH Neutralization of Contaminated Waste Oil 2. pH and Reactivity Neutralization in Tank 1 3. pH and Reactivity Neutralization in Tank 2 Acidic waste oil is generated during routine maintenance of vacuum pumps. The waste oil is transferred from pumps to a 55 gallon drum and is reported to have a pH of 0-1.5. The waste oil is treated by neutralization and phase separation (gravity settling). After 2-3 weeks of phase separation, the top layer of oil is hauled as non-RCRA hazardous waste and the remaining sludge is hauled as hazardous waste. Parts washer waste is managed and hauled as hazardous waste. Acidic reactive waste is generated in plumbing fixtures in the process [Truncated]

Eval Division: Orange County Environmental Health
Eval Program: CA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-26-2018
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: INSPECTOR COMMENTS: A routine Tiered Permitting inspection was conducted 4/24/18. The facility generates a reactive acidic waste that undergoes treatment by neutralization. During the treatment process,

R & D BLDG PARCEL 7 (Continued) **S121666303**

approximately one to two gallons worth of solid residue settles to the bottom of the treatment tank per batch treatment. Per facility employee, Jason, the residue is disposed of into the municipal trash. The facility has not made a determination on whether or not this residue is hazardous. Discontinue disposing of this residue to the municipal trash until testing has been done to determine if it is hazardous or not. Please obtain a representative sample of this residue and have it tested by a state-certified laboratory for a Fish Bioassay (Acute Aquatic 96-hour LC50 Test) per Title 22 CCR Section 66261.24 (a)(6). Additional testing may be required depending on results. You may use generator knowledge to assume the residue is a hazardous waste and manage it as a hazardous [Truncated]

Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-04-2021
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: This is a follow up to the inspection conducted on 3/30/2021. During the inspection, the waste being treated under Permit by Rule was discussed, and additional information regarding the waste composition has been reviewed. The facility has provided information that indicates the oil waste being treated under PBR contains SiCl/chlorosilane compounds. Due to the presence of these compounds, this Agency has concerns that the oil waste may exhibit the characteristic of reactivity as described in 22 CCR 66261.23. If the oil waste does exhibit the characteristic of reactivity, it will not meet eligibility requirements for treatment under the PBR tier. Please review the composition of the oil waste with respect to 22 CCR 66261.23 in order to verify that the waste is eligible for treatment under the PBR tier. Also, please review the permitting information submitted and certified in CERS to ensure that it is accurate and complete. This Agency has also reviewed the [Truncated]

Eval Division: Orange County Environmental Health
Eval Program: PBR
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-10-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Received and reviewed analytical results from Robert Hays. Testing was conducted by CalScience. Results are for two different waste streams: white solid precipitate which is leftover residue from treatment in neutralization tanks, and silicon carbide slurry rinsate. Both samples were tested for Acute Aquatic 96-hour LC50 Test, pH, and California regulated metals per Title 22 CCR. Results of the sample testing are as follows: White Solid Precipitate - 0% mortality of fish, pH = 10.10, Title 22 CCR California metals either not detected or under TTLC limits Slurry Rinse - 0% mortality of fish, pH = 7.55, Title 22 CCR California metals not detected Based on these analytical results both waste streams are not hazardous. Violation I637 cited on 4/26/18 is corrected. A copy of this report was sent to Robert Hays.

Eval Division: Orange County Environmental Health
Eval Program: HW

R & D BLDG PARCEL 7 (Continued) **S121666303**

Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-30-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On site for routine hazardous materials and business emergency plan inspection. The inspection was conducted with Robert Hays, HSE Business Partner. Also present was Susan Berg of OCHCA. Observed the facility and inspected hazardous materials storage. The following materials were observed in amounts that meet or exceed the minimum volumes required for disclosure: HM: - Acid Neutralization Tanks (x2) - Acid/Oil Treatment Container - AFFF Firefighting Foam - Ammonia, compressed gas - Argon, compressed gas - Heat Transfer Liquid - Helium, compressed gas - Hydraulic Oil (in machines & containers) - Hydrogen, refrigerated liquid - Mechanical Vacuum Pump Oil - Metalworking/Grinding Fluid - Methane, compressed gas - Nitrogen, compressed gas - Nitrogen, refrigerated liquid - Propane - Propylene Glycol (in machines) - Soda Ash, solid - Sodium Hydroxide, liquid - Sodium Hydroxide, solid - Superla White Oil 35/Mineral Oil (Lubricating Oil) - Trade Secret [Truncated]
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-11-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On site for routine Tiered Permitting-Conditionally Authorized inspection. Consent to enter, inspect, and take photographs was given by Robert Hays. Also present was Susan Berg of OCHCA. The facility is also regulated for treatment of hazardous waste under the PBR tier. There have been no reported releases in the previous three years. Observed the following process: - Acidic reactive waste is generated in plumbing fixtures in the facility s process room. The facility has two acid neutralization units, or sinks, that alternate usage. The fixtures are placed into the neutralization sinks creating acid waste. The acid waste is neutralized (before being discharged to the POTW.) Per Mr. Hayes, one of the 100-gal neutralization sinks was switched out in late 2018 due to a crack in the tank. The following documents are available for review: inspection log, operating instructions for the treatment units, closure cost estimate, sewer agency discharge records, and Phase 1 [Truncated]
Eval Division: Orange County Environmental Health
Eval Program: CA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-27-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Financial assurance documents submitted to CERS on 5/19/20 were reviewed and accepted. Violation I564 regarding failure to adjust Closure Costs for inflation/deflation by March 1st, cited in inspection report dated 4/16/20, has been corrected.
Eval Division: Orange County Environmental Health

R & D BLDG PARCEL 7 (Continued) **S121666303**

Eval Program: PBR
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-06-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: This is an off site inspection to follow up on the outstanding violation cited on 3/30/2021. The following violation remains outstanding and must be corrected immediately: - I336: Failure to update business plan within 30 days when one of the following occurs: A 100 percent or more increase in the quantity of a previously disclosed material; Any handling of a previously undisclosed hazardous material; A change of business address, business ownership, or business name; A substantial change in the handler's operations that requires modification to any portion of the business plan. HSC 6.95 25508.1(a),(f). Please update the hazardous materials inventory disclosure for this facility immediately and re-submit to this Agency via CERS at http://cers.calepa.ca.gov/ within 30 days.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-09-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Called Robert Hays to see if he has received test results for waste determination of 2 waste streams from Truisdale Laboritories. Left a voicemail. Robert later emailed me the analytic results for white solid precipitate from neutralization sinks, and slurry rinsate which had not been observed during the routine inspection. The results will be reviewed at a later time.
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-16-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: CERS ID 10664809 HMBP submittal dated 8/16/18 was reviewed. All submittal elements have been accepted. The facility has corrected their Hazmat Inventory and a completed Emergency Response Plan was submitted. Violation I169 cited on 9/26/17 has been corrected. The facility has no remaining HMBP violations.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-02-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: This Agency has reviewed a copy of the businesses hazardous waste training and sign in sheet which includes all required information. Violation I126 has been corrected.

R & D BLDG PARCEL 7 (Continued) **S121666303**

Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-20-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: The following documents have been reviewed and conditionally ACCEPTED on CERS: -Business Activities -Business Owner/Operator -Chemical Inventory -Facility Site Map -Emergency Response & Training Plans The following violation has been corrected: - I463: Failure to annually review and electronically submit the business plan on or before the required due date and certify that it is complete, accurate, and in compliance There are no outstanding Hazardous Materials Violations.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 12-06-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: This Agency has reviewed copies of the secondary containment tank assessments for the (2) 160 gallon acid neutralization tanks which have been certified by a qualified Professional Engineer on 7/9/2021. Violation I023 has been corrected.
Eval Division: Orange County Environmental Health
Eval Program: CA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-30-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On site for a routine Large Quantity Generator hazardous waste inspection. Consent to inspect and take any necessary photos was granted by Robert Hays, HSE Business Partner. Also present was Susan Berg of OCHCA. Facility is regulated as a non-RCRA Large Quantity Generator (LQG). Walked throughout facility and inspected the production areas and hazardous waste storage area. Emergency spill kits are located throughout the facility. No hazardous waste was observed in the municipal trash cans/dumpster areas. The following documents are current and were available for review: - Emergency Response/Contingency Plan - Hazardous Waste Manifests - Weekly inspection log for Hazardous Waste Storage Area Facility does not currently meet requirements for completing a Biennial report. Facility is required to prepare a California SB-14 Hazardous Waste Report by 9/1/2023 if generating >12,000 kg of hazardous waste during the reporting year (2022). A copy of this [Truncated]
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-16-2020
Violations Found: Yes

R & D BLDG PARCEL 7 (Continued) **S121666303**

Eval Type: Other, not routine, done by local agency
Eval Notes: This facility conducts treatment of acidic waste oil under the Permit by Rule (PBR) tier. As a facility conducting treatment under PBR you are required to annually submit the estimated closure cost and onsite hazardous waste treatment forms by March 1st the California Environmental Reporting System (CERS). To date facility has not submitted the required documentation for 2020. During the 04/11/2019 on site inspection conducted by this agency the following violations were observed and remain outstanding: -I019: a written inspection log for containers is not being maintained -I023: waste analysis records were missing from the Waste Analysis Plan -I009: one-time certification by a Professional Engineer of secondary containment holding containers where treatment is being conducted has not been completed -I015: a written Closure Plan was not available for review Violations I019 and I023 have been elevated to Class II violations. Submit the required documentation [Truncated]
Eval Division: Orange County Environmental Health
Eval Program: PBR
Eval Source: CERS,

Enforcement Action:
Site ID: 370342
Site Name: Rolls-Royce High Temperature Composites (Katella)
Site Address: 5730 KATELLA AVE
Site City: CYPRESS
Site Zip: 90630
Enf Action Date: 03-08-2022
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Orange County Environmental Health
Enf Action Program: PBR
Enf Action Source: CERS,

Coordinates:
Site ID: 370342
Facility Name: Rolls-Royce High Temperature Composites (Katella)
Env Int Type Code: HWG
Program ID: 10664809
Coord Name: Not reported
Ref Point Type Desc: Unknown,
Latitude: 33.802277
Longitude: -118.033348

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Orange County Env Health
Entity Title: Not reported
Affiliation Address: 1241 East Dyer RoadSuite 120
Affiliation City: Santa Ana
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92705-5611
Affiliation Phone: (714) 433-6406,

Affiliation Type Desc: Onsite Treatment Unit Owner Operator

R & D BLDG PARCEL 7 (Continued) **S121666303**

Entity Name:	Emer Higgins
Entity Title:	Head of Operations
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Onsite Treatment Unit Owner Operator
Entity Name:	Robert Hays
Entity Title:	HSE Business Partner
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Operator
Entity Name:	Rolls-Royce High Temperature Composites, Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(562) 794-2018,

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	5730 Katella Avenue
Affiliation City:	Cypress
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90630-5005
Affiliation Phone:	,

Affiliation Type Desc:	Parent Corporation
Entity Name:	ROLLS-ROYCE HIGH TEMPERATURE COMPOSITES INC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Legal Owner
Entity Name:	Rolls-Royce High Temperature Composites, Inc.
Entity Title:	Not reported
Affiliation Address:	5730 Katella Ave
Affiliation City:	Cypress
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90630

R & D BLDG PARCEL 7 (Continued) **S121666303**

Affiliation Phone:	(562) 794-2018,
Affiliation Type Desc:	Document Preparer
Entity Name:	Robert Hays
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Robert Hays
Entity Title:	Not reported
Affiliation Address:	5730 Katella Avenue
Affiliation City:	Cypress
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90630
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	Robert Hays
Entity Title:	HSE Business Partner
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Property Owner
Entity Name:	Warland Drive Three LLC
Entity Title:	Not reported
Affiliation Address:	11155 Knott Avenue, Suite J
Affiliation City:	Cypress
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90630
Affiliation Phone:	(714) 895-5908,

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93 **ARCO #3015** **LUST** **S101299630**
SW **5262 LAMPSON AVE** **Cortese** **N/A**
1/2-1 **GARDEN GROVE, CA 92645** **HIST CORTESE**
0.812 mi. **Notify 65**
4289 ft. **CERS**

Relative:
Lower

Actual:
24 ft.

LUST REG 8:

Name:	ARCO #3015
Address:	5262 LAMPSON AVE
City:	GARDEN GROVE
Region:	8
County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083000820T

ARCO #3015 (Continued) **S101299630**

Local Case Num:	87UT201
Case Type:	Aquifer affected
Substance:	Solvents
Qty Leaked:	Not reported
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site
Cross Street:	MANLEY
Enf Type:	CLOS
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Not reported
Leak Cause:	UNK
Leak Source:	Other Source
Global ID:	T0605900647
How Stopped Date:	Not reported
Enter Date:	3/31/1988
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	3/31/1988
Discover Date:	Not reported
Enforcement Date:	Not reported
Close Date:	12/22/2004
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	7/15/2001
Date Remediation Plan Submitted:	9/29/1999
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	3/31/1988
GW Qualifies:	<
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Yes
Oversite Program:	LUST
Latitude:	33.7810512
Longitude:	-118.0409747
MTBE Date:	6/2/2000
Max MTBE GW:	.5
MTBE Concentration:	1
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected
MTBE Class:	Not reported
Staff:	VJJ
Staff Initials:	SAS
Lead Agency:	Regional Board
Local Agency:	30000L
Hydr Basin #:	COASTAL PLAIN OF ORA
Beneficial:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported

Summary: EXTREMELY HIGH CHLORINATED HC LEVELS. MAYBE DERIVED FROM A NEARBY DRY CLEANER. FURTHER INVESTIGATION/REMEDIATION REQUIRED. DETERMINING RESPONSIBLE PARTY FOR CHLORINATED HYDROCARBONS.

CORTESE:
Name: ARCO #3015

ARCO #3015 (Continued) **S101299630**

Address:	5262 LAMPSON AVE
City,State,Zip:	GARDEN GROVE, CA 92645
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0605900647
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

HIST CORTESE:

edr_fname:	ARCO #3015
edr_fadd1:	5262
City,State,Zip:	GARDEN GROVE, CA 92645
Region:	CORTESE
Facility County Code:	30
Reg By:	LTNKA
Reg Id:	083000820T

NOTIFY 65:

Name:	ARCO #3015
Address:	5262 LAMPSON AVE
City,State,Zip:	GARDEN GROVE, CA 92645
Date Reported:	Not reported
Staff Initials:	Not reported
Board File Number:	Not reported
Facility Type:	Not reported
Discharge Date:	Not reported
Issue Date:	Not reported
Incident Description:	Not reported
Global ID:	Not reported
Status:	Not reported

Name:	ARCO #3015
Address:	5262 LAMPSON AVE
City,State,Zip:	GARDEN GROVE, CA 92645
Date Reported:	Not reported
Staff Initials:	Not reported
Board File Number:	Not reported
Facility Type:	Not reported
Discharge Date:	Not reported
Issue Date:	02/03/2004

ARCO #3015 (Continued) **S101299630**

Incident Description: Not reported
Global ID: Not reported
Status: Not reported

CERS:
Name: ARCO #3015
Address: 5262 LAMPSON AVE
City,State,Zip: GARDEN GROVE, CA 92645
Site ID: 634976
CERS ID: T0605900647
CERS Description: Leaking Underground Storage Tank Cleanup Site

Count: 0 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
		NO SITES FOUND			

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 09/19/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 10/19/2023
Number of Days to Update: 16

Source: EPA
Telephone: N/A
Last EDR Contact: 12/04/2023
Next Scheduled EDR Contact: 01/08/2024
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 09/19/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 10/19/2023
Number of Days to Update: 16

Source: EPA
Telephone: N/A
Last EDR Contact: 12/04/2023
Next Scheduled EDR Contact: 01/08/2024
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 09/19/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 10/19/2023
Number of Days to Update: 16

Source: EPA
Telephone: N/A
Last EDR Contact: 12/04/2023
Next Scheduled EDR Contact: 01/08/2024
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 09/25/2023
Date Data Arrived at EDR: 09/26/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 77

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 09/26/2023
Next Scheduled EDR Contact: 01/08/2024
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 09/19/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 10/19/2023
Number of Days to Update: 16

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/04/2023
Next Scheduled EDR Contact: 01/22/2024
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 09/19/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 10/19/2023
Number of Days to Update: 16

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/04/2023
Next Scheduled EDR Contact: 01/22/2024
Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/06/2023
Next Scheduled EDR Contact: 01/01/2024
Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/06/2023
Next Scheduled EDR Contact: 01/01/2024
Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/06/2023
Next Scheduled EDR Contact: 01/01/2024
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/06/2023
Next Scheduled EDR Contact: 01/01/2024
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/06/2023
Next Scheduled EDR Contact: 01/01/2024
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 08/03/2023
Date Data Arrived at EDR: 08/07/2023
Date Made Active in Reports: 10/10/2023
Number of Days to Update: 64

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 11/02/2023
Next Scheduled EDR Contact: 02/19/2024
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 08/21/2023
Date Data Arrived at EDR: 08/21/2023
Date Made Active in Reports: 11/07/2023
Number of Days to Update: 78

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 11/17/2023
Next Scheduled EDR Contact: 03/04/2024
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 08/21/2023
Date Data Arrived at EDR: 08/21/2023
Date Made Active in Reports: 11/07/2023
Number of Days to Update: 78

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 11/17/2023
Next Scheduled EDR Contact: 03/04/2024
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/18/2023
Date Data Arrived at EDR: 09/20/2023
Date Made Active in Reports: 12/11/2023
Number of Days to Update: 82

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 09/20/2023
Next Scheduled EDR Contact: 01/01/2024
Data Release Frequency: Quarterly

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 07/24/2023
Date Data Arrived at EDR: 07/25/2023
Date Made Active in Reports: 10/11/2023
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/24/2023
Next Scheduled EDR Contact: 02/05/2024
Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 07/24/2023
Date Data Arrived at EDR: 07/25/2023
Date Made Active in Reports: 10/11/2023
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/24/2023
Next Scheduled EDR Contact: 02/05/2024
Data Release Frequency: Quarterly

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 08/07/2023
Date Data Arrived at EDR: 08/08/2023
Date Made Active in Reports: 10/26/2023
Number of Days to Update: 79

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 11/07/2023
Next Scheduled EDR Contact: 02/19/2024
Data Release Frequency: Quarterly

Lists of state and tribal leaking storage tanks

LUST REG 9: Leaking Underground Storage Tank Report
Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)
Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/05/2023
Date Data Arrived at EDR: 09/06/2023
Date Made Active in Reports: 11/22/2023
Number of Days to Update: 77

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 12/05/2023
Next Scheduled EDR Contact: 03/18/2024
Data Release Frequency: Quarterly

LUST REG 6L: Leaking Underground Storage Tank Case Listing
For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks
California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List
Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List
Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

LUST REG 1: Active Toxic Site Investigation
Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 04/19/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 10/11/2023
Next Scheduled EDR Contact: 01/29/2024
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 04/20/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 10/11/2023
Next Scheduled EDR Contact: 01/29/2024
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/19/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 10/11/2023
Next Scheduled EDR Contact: 01/29/2024
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/20/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 10/11/2023
Next Scheduled EDR Contact: 01/29/2024
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/25/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 10/11/2023
Next Scheduled EDR Contact: 01/29/2024
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 10/11/2023
Next Scheduled EDR Contact: 01/29/2024
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/14/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 10/11/2023
Next Scheduled EDR Contact: 01/29/2024
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/20/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 10/11/2023
Next Scheduled EDR Contact: 01/29/2024
Data Release Frequency: Varies

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)
Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/05/2023
Date Data Arrived at EDR: 09/06/2023
Date Made Active in Reports: 11/28/2023
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/05/2023
Next Scheduled EDR Contact: 03/18/2024
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: No Update Planned

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 03/08/2023
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 05/30/2023
Number of Days to Update: 82

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 10/10/2023
Next Scheduled EDR Contact: 01/15/2024
Data Release Frequency: Varies

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 09/05/2023
Date Data Arrived at EDR: 09/06/2023
Date Made Active in Reports: 11/28/2023
Number of Days to Update: 83

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 12/05/2023
Next Scheduled EDR Contact: 03/18/2024
Data Release Frequency: Semi-Annually

MILITARY UST SITES: Military UST Sites (GEOTRACKER)
Military ust sites

Date of Government Version: 09/05/2023
Date Data Arrived at EDR: 09/06/2023
Date Made Active in Reports: 11/27/2023
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/05/2023
Next Scheduled EDR Contact: 03/18/2024
Data Release Frequency: Varies

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases
UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 08/10/2023
Date Data Arrived at EDR: 09/06/2023
Date Made Active in Reports: 11/28/2023
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 11/30/2023
Next Scheduled EDR Contact: 03/18/2024
Data Release Frequency: Varies

AST: Aboveground Petroleum Storage Tank Facilities
A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 12/05/2023
Next Scheduled EDR Contact: 03/25/2024
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/20/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 10/11/2023
Next Scheduled EDR Contact: 01/29/2024
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/25/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 10/11/2023
Next Scheduled EDR Contact: 01/29/2024
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 04/20/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 10/11/2023
Next Scheduled EDR Contact: 01/29/2024
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/19/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 10/11/2023
Next Scheduled EDR Contact: 01/29/2024
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 04/20/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 10/11/2023
Next Scheduled EDR Contact: 01/29/2024
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/20/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 10/11/2023
Next Scheduled EDR Contact: 01/29/2024
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 10/11/2023
Next Scheduled EDR Contact: 01/29/2024
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/14/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 10/11/2023
Next Scheduled EDR Contact: 01/29/2024
Data Release Frequency: Varies

Lists of state and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 07/08/2021
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 12/12/2023
Next Scheduled EDR Contact: 04/01/2024
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties
Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 07/24/2023
Date Data Arrived at EDR: 07/25/2023
Date Made Active in Reports: 10/11/2023
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/24/2023
Next Scheduled EDR Contact: 02/05/2024
Data Release Frequency: Quarterly

Lists of state and tribal brownfield sites

BROWNFIELDS: Considered Brownfieds Sites Listing
A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 09/19/2023
Date Data Arrived at EDR: 09/20/2023
Date Made Active in Reports: 12/08/2023
Number of Days to Update: 79

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 09/20/2023
Next Scheduled EDR Contact: 01/01/2024
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 08/15/2023
Date Data Arrived at EDR: 08/30/2023
Date Made Active in Reports: 12/01/2023
Number of Days to Update: 93

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 08/30/2023
Next Scheduled EDR Contact: 12/25/2023
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 10/20/2023
Next Scheduled EDR Contact: 02/05/2024
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 09/05/2023
Date Data Arrived at EDR: 09/06/2023
Date Made Active in Reports: 11/28/2023
Number of Days to Update: 83

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 11/29/2023
Next Scheduled EDR Contact: 03/18/2024
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 11/16/2022
Date Data Arrived at EDR: 11/22/2022
Date Made Active in Reports: 02/13/2023
Number of Days to Update: 83

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 12/12/2023
Next Scheduled EDR Contact: 02/19/2024
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 10/23/2023
Next Scheduled EDR Contact: 02/05/2024
Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 10/10/2023
Next Scheduled EDR Contact: 01/29/2024
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 10/28/2023
Next Scheduled EDR Contact: 02/05/2024
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register
A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 08/21/2023
Date Data Arrived at EDR: 08/21/2023
Date Made Active in Reports: 11/07/2023
Number of Days to Update: 78

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/17/2023
Next Scheduled EDR Contact: 03/04/2024
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database
The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program
This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 07/24/2023
Date Data Arrived at EDR: 07/25/2023
Date Made Active in Reports: 10/11/2023
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/24/2023
Next Scheduled EDR Contact: 02/05/2024
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs
A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2022
Date Made Active in Reports: 02/09/2023
Number of Days to Update: 71

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 10/25/2023
Next Scheduled EDR Contact: 02/12/2024
Data Release Frequency: Varies

TOXIC PITS: Toxic Pits Cleanup Act Sites
Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

CERS HAZ WASTE: California Environmental Reporting System Hazardous Waste
List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

Date of Government Version: 07/17/2023
Date Data Arrived at EDR: 07/18/2023
Date Made Active in Reports: 10/06/2023
Number of Days to Update: 80

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 10/17/2023
Next Scheduled EDR Contact: 01/29/2024
Data Release Frequency: Quarterly

US CDL: Clandestine Drug Labs
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 08/21/2023
Date Data Arrived at EDR: 08/21/2023
Date Made Active in Reports: 11/07/2023
Number of Days to Update: 78

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/17/2023
Next Scheduled EDR Contact: 03/04/2024
Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing
Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HIST UST: Hazardous Substance Storage Container Database
The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing
Aboveground storage tank sites

Date of Government Version: 08/04/2023
Date Data Arrived at EDR: 08/08/2023
Date Made Active in Reports: 10/25/2023
Number of Days to Update: 78

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 10/25/2023
Next Scheduled EDR Contact: 02/12/2024
Data Release Frequency: Varies

CA FID UST: Facility Inventory Database
The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CERS TANKS: California Environmental Reporting System (CERS) Tanks
List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 07/17/2023
Date Data Arrived at EDR: 07/18/2023
Date Made Active in Reports: 10/06/2023
Number of Days to Update: 80

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 10/17/2023
Next Scheduled EDR Contact: 01/29/2024
Data Release Frequency: Quarterly

Local Land Records

LIENS: Environmental Liens Listing
A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 08/22/2023
Date Data Arrived at EDR: 08/24/2023
Date Made Active in Reports: 11/07/2023
Number of Days to Update: 75

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/21/2023
Next Scheduled EDR Contact: 03/11/2024
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 09/19/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 10/19/2023
Number of Days to Update: 16

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 11/01/2023
Next Scheduled EDR Contact: 01/08/2024
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing
Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 08/28/2023
Date Data Arrived at EDR: 08/29/2023
Date Made Active in Reports: 11/13/2023
Number of Days to Update: 76

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 11/22/2023
Next Scheduled EDR Contact: 03/11/2024
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 09/18/2023
Date Data Arrived at EDR: 09/20/2023
Date Made Active in Reports: 11/14/2023
Number of Days to Update: 55

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 09/20/2023
Next Scheduled EDR Contact: 01/01/2024
Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System
California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 06/01/2023
Date Data Arrived at EDR: 07/18/2023
Date Made Active in Reports: 10/05/2023
Number of Days to Update: 79

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 10/20/2023
Next Scheduled EDR Contact: 01/29/2024
Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)
Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/05/2023
Date Data Arrived at EDR: 09/06/2023
Date Made Active in Reports: 11/22/2023
Number of Days to Update: 77

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/05/2023
Next Scheduled EDR Contact: 03/18/2024
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)
Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/05/2023
Date Data Arrived at EDR: 09/06/2023
Date Made Active in Reports: 11/22/2023
Number of Days to Update: 77

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/05/2023
Next Scheduled EDR Contact: 03/18/2024
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch
Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/06/2023
Next Scheduled EDR Contact: 01/01/2024
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 08/07/2023
Date Data Arrived at EDR: 08/15/2023
Date Made Active in Reports: 10/10/2023
Number of Days to Update: 56

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 11/10/2023
Next Scheduled EDR Contact: 02/26/2024
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 06/07/2021
Date Data Arrived at EDR: 07/13/2021
Date Made Active in Reports: 03/09/2022
Number of Days to Update: 239

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 10/09/2023
Next Scheduled EDR Contact: 01/22/2024
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 10/04/2023
Next Scheduled EDR Contact: 01/15/2024
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 07/30/2021
Date Data Arrived at EDR: 02/03/2023
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 11/08/2023
Next Scheduled EDR Contact: 02/19/2024
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 09/18/2023
Date Data Arrived at EDR: 09/20/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 09/20/2023
Next Scheduled EDR Contact: 01/01/2024
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 10/31/2023
Next Scheduled EDR Contact: 02/12/2024
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 11/03/2023
Next Scheduled EDR Contact: 02/12/2024
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 06/14/2022
Date Made Active in Reports: 03/24/2023
Number of Days to Update: 283

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 09/15/2023
Next Scheduled EDR Contact: 12/25/2023
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 08/18/2023
Date Made Active in Reports: 11/07/2023
Number of Days to Update: 81

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 11/13/2023
Next Scheduled EDR Contact: 02/26/2024
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 07/17/2023
Date Data Arrived at EDR: 07/18/2023
Date Made Active in Reports: 10/10/2023
Number of Days to Update: 84

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 10/20/2023
Next Scheduled EDR Contact: 01/29/2024
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 09/19/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 10/19/2023
Number of Days to Update: 16

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 12/04/2023
Next Scheduled EDR Contact: 03/11/2024
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 05/09/2023
Date Data Arrived at EDR: 06/29/2023
Date Made Active in Reports: 09/25/2023
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 09/26/2023
Next Scheduled EDR Contact: 01/29/2024
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 09/19/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 10/19/2023
Number of Days to Update: 16

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 12/04/2023
Next Scheduled EDR Contact: 02/12/2024
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 03/20/2023
Date Data Arrived at EDR: 04/04/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 66

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 10/06/2023
Next Scheduled EDR Contact: 01/15/2024
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System
The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 09/27/2023
Next Scheduled EDR Contact: 01/15/2024
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/20/2023
Date Data Arrived at EDR: 09/01/2023
Date Made Active in Reports: 09/20/2023
Number of Days to Update: 19

Source: Nuclear Regulatory Commission
Telephone: 301-415-0717
Last EDR Contact: 10/10/2023
Next Scheduled EDR Contact: 01/29/2024
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 04/14/2023
Date Made Active in Reports: 07/10/2023
Number of Days to Update: 87

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 11/27/2023
Next Scheduled EDR Contact: 03/11/2024
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 11/27/2023
Next Scheduled EDR Contact: 03/11/2024
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 11/03/2023
Next Scheduled EDR Contact: 02/12/2024
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 09/22/2023
Next Scheduled EDR Contact: 01/08/2024
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data
Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 10/04/2023
Next Scheduled EDR Contact: 02/05/2024
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees
Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 06/30/2023
Date Data Arrived at EDR: 07/19/2023
Date Made Active in Reports: 10/10/2023
Number of Days to Update: 83

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 10/03/2023
Next Scheduled EDR Contact: 01/15/2024
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 12/06/2023
Next Scheduled EDR Contact: 01/01/2024
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 10/02/2023
Next Scheduled EDR Contact: 01/15/2024
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 03/03/2023
Date Data Arrived at EDR: 03/03/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 98

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 10/25/2023
Next Scheduled EDR Contact: 02/12/2024
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 11/09/2023
Next Scheduled EDR Contact: 02/26/2024
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 09/19/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 10/19/2023
Number of Days to Update: 16

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 12/04/2023
Next Scheduled EDR Contact: 01/08/2024
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 07/05/2023
Date Data Arrived at EDR: 07/05/2023
Date Made Active in Reports: 09/25/2023
Number of Days to Update: 82

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 10/04/2023
Next Scheduled EDR Contact: 02/19/2024
Data Release Frequency: Quarterly

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/01/2023
Date Data Arrived at EDR: 08/22/2023
Date Made Active in Reports: 11/07/2023
Number of Days to Update: 77

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 11/17/2023
Next Scheduled EDR Contact: 03/04/2024
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 01/07/2022
Date Data Arrived at EDR: 02/24/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 82

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 11/20/2023
Next Scheduled EDR Contact: 03/04/2024
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 11/20/2023
Next Scheduled EDR Contact: 03/04/2024
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System

Mineral Resources Data System

Date of Government Version: 08/23/2022
Date Data Arrived at EDR: 11/22/2022
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 98

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 11/20/2023
Next Scheduled EDR Contact: 03/04/2024
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 11/28/2023
Date Data Arrived at EDR: 11/29/2023
Date Made Active in Reports: 12/11/2023
Number of Days to Update: 12

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 11/28/2023
Next Scheduled EDR Contact: 03/18/2024
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 11/03/2023
Date Data Arrived at EDR: 11/08/2023
Date Made Active in Reports: 11/20/2023
Number of Days to Update: 12

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 11/08/2023
Next Scheduled EDR Contact: 03/11/2024
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 09/06/2023
Date Data Arrived at EDR: 09/13/2023
Date Made Active in Reports: 12/11/2023
Number of Days to Update: 89

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 09/13/2023
Next Scheduled EDR Contact: 01/22/2024
Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 11/15/2023
Next Scheduled EDR Contact: 03/04/2024
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 06/24/2023
Date Data Arrived at EDR: 06/29/2023
Date Made Active in Reports: 09/25/2023
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 10/03/2023
Next Scheduled EDR Contact: 01/15/2024
Data Release Frequency: Quarterly

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 08/14/2023
Date Data Arrived at EDR: 08/15/2023
Date Made Active in Reports: 10/19/2023
Number of Days to Update: 65

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 11/10/2023
Next Scheduled EDR Contact: 02/26/2024
Data Release Frequency: Quarterly

PFAS NPL: Superfund Sites with PFAS Detections Information

EPA's Office of Land and Emergency Management and EPA Regional Offices maintain data describing what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment.

Date of Government Version: 07/05/2023
Date Data Arrived at EDR: 07/05/2023
Date Made Active in Reports: 10/02/2023
Number of Days to Update: 89

Source: Environmental Protection Agency
Telephone: 703-603-8895
Last EDR Contact: 10/03/2023
Next Scheduled EDR Contact: 01/15/2024
Data Release Frequency: Varies

PFAS FEDERAL SITES: Federal Sites PFAS Information

Several federal entities, such as the federal Superfund program, Department of Defense, National Aeronautics and Space Administration, Department of Transportation, and Department of Energy provided information for sites with known or suspected detections at federal facilities.

Date of Government Version: 07/05/2023
Date Data Arrived at EDR: 07/05/2023
Date Made Active in Reports: 10/02/2023
Number of Days to Update: 89

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 10/03/2023
Next Scheduled EDR Contact: 01/15/2024
Data Release Frequency: Varies

PFAS TRIS: List of PFAS Added to the TRI

Section 7321 of the National Defense Authorization Act for Fiscal Year 2020 (NDAA) immediately added certain per- and polyfluoroalkyl substances (PFAS) to the list of chemicals covered by the Toxics Release Inventory (TRI) under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) and provided a framework for additional PFAS to be added to TRI on an annual basis.

Date of Government Version: 07/05/2023
Date Data Arrived at EDR: 07/05/2023
Date Made Active in Reports: 10/02/2023
Number of Days to Update: 89

Source: Environmental Protection Agency
Telephone: 202-566-0250
Last EDR Contact: 10/03/2023
Next Scheduled EDR Contact: 01/15/2024
Data Release Frequency: Varies

PFAS TSCA: PFAS Manufacture and Imports Information

EPA issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. EPA publishes non-confidential business information (non-CBI) and includes descriptive information about each site, corporate parent, production volume, other manufacturing information, and processing and use information.

Date of Government Version: 07/05/2023
Date Data Arrived at EDR: 07/05/2023
Date Made Active in Reports: 10/02/2023
Number of Days to Update: 89

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 10/03/2023
Next Scheduled EDR Contact: 01/15/2024
Data Release Frequency: Varies

PFAS RCRA MANIFEST: PFAS Transfers Identified In the RCRA Database Listing

To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: PFAS, PFOA, PFOS, PERFL, AFFF, GENX, GEN-X (plus the VT waste codes). These keywords were searched for in the following text fields: Manifest handling instructions (MANIFEST_HANDLING_INSTR), Non-hazardous waste description (NON_HAZ_WASTE_DESCRIPTION), DOT printed information (DOT_PRINTED_INFORMATION), Waste line handling instructions (WASTE_LINE_HANDLING_INSTR), Waste residue comments (WASTE_RESIDUE_COMMENTS).

Date of Government Version: 07/05/2023
Date Data Arrived at EDR: 07/05/2023
Date Made Active in Reports: 10/02/2023
Number of Days to Update: 89

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 10/03/2023
Next Scheduled EDR Contact: 01/15/2024
Data Release Frequency: Varies

PFAS ATSDR: PFAS Contamination Site Location Listing

PFAS contamination site locations from the Department of Health & Human Services, Center for Disease Control & Prevention. ATSDR is involved at a number of PFAS-related sites, either directly or through assisting state and federal partners. As of now, most sites are related to drinking water contamination connected with PFAS production facilities or fire training areas where aqueous film-forming firefighting foam (AFFF) was regularly used.

Date of Government Version: 06/24/2020
Date Data Arrived at EDR: 03/17/2021
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 601

Source: Department of Health & Human Services
Telephone: 202-741-5770
Last EDR Contact: 10/23/2023
Next Scheduled EDR Contact: 02/05/2024
Data Release Frequency: Varies

PFAS WQP: Ambient Environmental Sampling for PFAS

The Water Quality Portal (WQP) is a part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations and individuals submit project details and sampling results to this public repository. The information is commonly used for research and assessments of environmental quality.

Date of Government Version: 09/23/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 10/10/2023
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 10/03/2023
Next Scheduled EDR Contact: 01/15/2024
Data Release Frequency: Varies

PFAS NPDES: Clean Water Act Discharge Monitoring Information

Any discharger of pollutants to waters of the United States from a point source must have a National Pollutant Discharge Elimination System (NPDES) permit. The process for obtaining limits involves the regulated entity (permittee) disclosing releases in a NPDES permit application and the permitting authority (typically the state but sometimes EPA) deciding whether to require monitoring or monitoring with limits. Caveats and Limitations: Less than half of states have required PFAS monitoring for at least one of their permittees and fewer states have established PFAS effluent limits for permittees. New rulemakings have been initiated that may increase the number of facilities monitoring for PFAS in the future.

Date of Government Version: 07/05/2023
Date Data Arrived at EDR: 07/05/2023
Date Made Active in Reports: 10/02/2023
Number of Days to Update: 89

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 10/03/2023
Next Scheduled EDR Contact: 01/15/2024
Data Release Frequency: Varies

PFAS ECHO: Facilities in Industries that May Be Handling PFAS Listing

Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

Date of Government Version: 07/05/2023
Date Data Arrived at EDR: 07/05/2023
Date Made Active in Reports: 09/25/2023
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 10/03/2023
Next Scheduled EDR Contact: 01/15/2024
Data Release Frequency: Varies

PFAS ECHO FIRE TRAINING: Facilities in Industries that May Be Handling PFAS Listing

A list of fire training sites was added to the Industry Sectors dataset using a keyword search on the permitted facilitys name to identify sites where fire-fighting foam may have been used in training exercises. Additionally, you may view an example spreadsheet of the subset of fire training facility data, as well as the keywords used in selecting or deselecting a facility for the subset. as well as the keywords used in selecting or deselecting a facility for the subset. These keywords were tested to maximize accuracy in selecting facilities that may use fire-fighting foam in training exercises, however, due to the lack of a required reporting field in the data systems for designating fire training sites, this methodology may not identify all fire training sites or may potentially misidentify them.

Date of Government Version: 07/05/2023
Date Data Arrived at EDR: 07/05/2023
Date Made Active in Reports: 09/25/2023
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 10/03/2023
Next Scheduled EDR Contact: 01/15/2024
Data Release Frequency: Varies

PFAS PART 139 AIRPORT: All Certified Part 139 Airports PFAS Information Listing

Since July 1, 2006, all certified part 139 airports are required to have fire-fighting foam onsite that meet military specifications (MIL-F-24385) (14 CFR 139.317). To date, these military specification fire-fighting foams are fluorinated and have been historically used for training and extinguishing. The 2018 FAA Reauthorization Act has a provision stating that no later than October 2021, FAA shall not require the use of fluorinated AFFF. This provision does not prohibit the use of fluorinated AFFF at Part 139 civilian airports; it only prohibits FAA from mandating its use. The Federal Aviation Administration?s document AC 150/5210-6D - Aircraft Fire Extinguishing Agents provides guidance on Aircraft Fire Extinguishing Agents, which includes Aqueous Film Forming Foam (AFFF).

Date of Government Version: 07/05/2023
Date Data Arrived at EDR: 07/05/2023
Date Made Active in Reports: 09/25/2023
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 10/03/2023
Next Scheduled EDR Contact: 01/15/2024
Data Release Frequency: Varies

AQUEOUS FOAM NRC: Aqueous Foam Related Incidents Listing

The National Response Center (NRC) serves as an emergency call center that fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. The spreadsheets posted to the NRC website contain initial incident data that has not been validated or investigated by a federal/state response agency. Response center calls from 1990 to the most recent complete calendar year where there was indication of Aqueous Film Forming Foam (AFFF) usage are included in this dataset. NRC calls may reference AFFF usage in the ?Material Involved? or ?Incident Description? fields.

Date of Government Version: 07/05/2023
Date Data Arrived at EDR: 07/06/2023
Date Made Active in Reports: 09/25/2023
Number of Days to Update: 81

Source: Environmental Protection Agency
Telephone: 202-267-2675
Last EDR Contact: 10/03/2023
Next Scheduled EDR Contact: 01/15/2024
Data Release Frequency: Varies

PCS ENF: Enforcement data
No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 09/28/2023
Next Scheduled EDR Contact: 01/15/2024
Data Release Frequency: Varies

PCS: Permit Compliance System
PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 09/28/2023
Next Scheduled EDR Contact: 01/15/2024
Data Release Frequency: No Update Planned

BIOSOLIDS: ICIS-NPDES Biosolids Facility Data
The data reflects compliance information about facilities in the biosolids program.

Date of Government Version: 07/16/2023
Date Data Arrived at EDR: 07/18/2023
Date Made Active in Reports: 08/28/2023
Number of Days to Update: 41

Source: Environmental Protection Agency
Telephone: 202-564-4700
Last EDR Contact: 10/03/2023
Next Scheduled EDR Contact: 01/29/2024
Data Release Frequency: Varies

PFAS: PFAS Contamination Site Location Listing
A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 09/05/2023
Date Data Arrived at EDR: 09/06/2023
Date Made Active in Reports: 11/27/2023
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 11/30/2023
Next Scheduled EDR Contact: 03/18/2024
Data Release Frequency: Varies

AQUEOUS FOAM: Former Fire Training Facility Assessments Listing
Airports shown on this list are those believed to use Aqueous Film Forming Foam (AFFF), and certified by the Federal Aviation Administration (FAA) under Title 14, Code of Federal Regulations (CFR), Part 139 (14 CFR Part 139). This list was created by SWRCB using information available from the FAA. Location points shown are from the latitude and longitude listed on the FAA airport master record.

Date of Government Version: 09/05/2023
Date Data Arrived at EDR: 09/06/2023
Date Made Active in Reports: 11/28/2023
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 916-341-5455
Last EDR Contact: 11/30/2023
Next Scheduled EDR Contact: 03/18/2024
Data Release Frequency: Varies

CA BOND EXP. PLAN: Bond Expenditure Plan
Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CHROME PLATING: Chrome Plating Facilities Listing

This listing represents chrome plating facilities the California State Water Resources Control Board staff identified as possibly being a source of Per- and polyfluoroalkyl substance (PFAS) contamination. Sites and locations were identified by staff with the Division of Water Quality in the California State Water Board. Data was collected from the CA Air Resources Board 2013 and 2018 - Cr VI emission survey, CA Emission Inventory, CA HAZ Waste discharge database and by reviewing storm water permits. Former chrome plating sites are also included that are open site investigation or remediation cases with the Regional Water Quality Control Boards and the Department of Toxic Substances Control.

Date of Government Version: 09/05/2023
Date Data Arrived at EDR: 09/06/2023
Date Made Active in Reports: 11/27/2023
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: 916-341-5455
Last EDR Contact: 11/30/2023
Next Scheduled EDR Contact: 03/18/2024
Data Release Frequency: Varies

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 09/19/2023
Date Data Arrived at EDR: 09/20/2023
Date Made Active in Reports: 12/08/2023
Number of Days to Update: 79

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 09/20/2023
Next Scheduled EDR Contact: 01/01/2024
Data Release Frequency: Quarterly

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing

list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 03/31/2023
Date Data Arrived at EDR: 05/08/2023
Date Made Active in Reports: 07/31/2023
Number of Days to Update: 84

Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 11/09/2023
Next Scheduled EDR Contact: 02/19/2024
Data Release Frequency: Varies

DRYCLEAN SACRAMENTO METO DIST: Sacramento Metropolitan Air Quality Management DistrictDrycleaner Facility Listing

A listing of drycleaner facility locations, for the Sacramento Metropolitan Air Quality Management District.

Date of Government Version: 08/15/2023
Date Data Arrived at EDR: 08/17/2023
Date Made Active in Reports: 10/31/2023
Number of Days to Update: 75

Source: Sacramento Metropolitan Air Quality Management District
Telephone: 916-874-3958
Last EDR Contact: 08/15/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN SAN DIEGO CO DIST: San Diego County Air Pollution Control District Drycleaner Facility Listing

A listing of drycleaner facility locations, for the San Diego County Air Pollution Control District.

Date of Government Version: 08/08/2023
Date Data Arrived at EDR: 08/09/2023
Date Made Active in Reports: 10/26/2023
Number of Days to Update: 78

Source: San Diego County Air Pollution Control District
Telephone: 858-586-2616
Last EDR Contact: 08/08/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN GLENN CO DIST: Glenn County Air Pollution Control District Drycleaner Facility Listing

A listing of drycleaner facility locations, for the Glenn County Air Pollution Control District.

Date of Government Version: 05/02/2023
Date Data Arrived at EDR: 05/03/2023
Date Made Active in Reports: 07/25/2023
Number of Days to Update: 83

Source: Glenn County Air Pollution Control District
Telephone: 530-934-6500
Last EDR Contact: 05/03/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 08/31/2023
Date Data Arrived at EDR: 09/08/2023
Date Made Active in Reports: 11/27/2023
Number of Days to Update: 80

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 12/05/2023
Next Scheduled EDR Contact: 03/11/2024
Data Release Frequency: Annually

DRYCLEAN AMADOR: Amador Air District Drycleaner Facility Listing

A listing of drycleaner facility locations, for the Amador Air Quality Management District

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 04/27/2023
Date Made Active in Reports: 07/13/2023
Number of Days to Update: 77

Source: Amador Air Quality Management District
Telephone: 209-257-0112
Last EDR Contact: 04/24/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN VENTURA CO DIST: Drycleaner Facility Listing

A listing of drycleaner facility locations, for the Ventura County Air Pollution Control District.

Date of Government Version: 04/16/2019
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1475

Source: Ventura County Air Pollution Control District
Telephone: 805-645-1421
Last EDR Contact: 10/11/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN TEHAMA CO DIST: Tehama County Air Pollution Control District Drycleaner Facility Listing

A listing of drycleaner facility locations, for the Tehama County Air Pollution Control District.

Date of Government Version: 04/24/2019
Date Data Arrived at EDR: 04/24/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1468

Source: Tehama County Air Pollution Control District
Telephone: 530-527-3717
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN SANTA BARB CO DIST: Santa Barbara County Air Pollution Control District Drycleaner Facility Listing

A listing of drycleaner facility locations, for the Santa Barbara County Air Pollution Control District.

Date of Government Version: 02/19/2019
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1475

Source: Santa Barbara County Air Pollution Control District
Telephone: 805-961-8867
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN NO SONOMA CO DIST: Norther Sonoma County County Air Pollution Control District Drycleaner Facility Listing

A listing of drycleaner facility locations, for the Northern Sonoma County Air Pollution Control District.,

Date of Government Version: 04/17/2019
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1475

Source: Santa Barbara County Air Pollution Control District
Telephone: 707-433-5911
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN NO SIERRA DIST: Northern Sierra Air Quality Management District Drycleaner Facility Listing

A listing of drycleaner facility locations, for the Northern Sierra Air Quality Management District,

Date of Government Version: 05/07/2019
Date Data Arrived at EDR: 05/07/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1455

Source: Northern Sierra Air Quality Management District
Telephone: 530-274-9350
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN NO COAST UNIFIED DIST: North Coast Unified Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the North Coast Unified Air Quality Management District.

Date of Government Version: 11/30/2016
Date Data Arrived at EDR: 04/19/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1473

Source: North Coast Unified Air Quality Management District
Telephone: 707-443-3093
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN LAKE CO DIST: Lake County Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Lake County Air Quality Management District,

Date of Government Version: 04/29/2019
Date Data Arrived at EDR: 05/07/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1455

Source: Lake County Air Quality Management District
Telephone: 707-263-7000
Last EDR Contact: 05/11/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN GRANT: Grant Recipients List
Assembly Bill 998 (AB 998) established the Non-Toxic Dry Cleaning Incentive Program to provide financial assistance to the dry cleaning industry to switch from systems using perchloroethylene (Perc), an identified toxic air contaminant and potential human carcinogen, to non-toxic and non-smog forming alternatives.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 02/04/2021
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 816

Source: California Air Resources Board
Telephone: 916-323-0006
Last EDR Contact: 10/28/2023
Next Scheduled EDR Contact: 02/05/2024
Data Release Frequency: Varies

DRYCLEAN CALAVERAS CO DIST: Calaveras County Environmental Management Agency Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Calaveras County Environmental Management Agency.

Date of Government Version: 06/17/2019
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1412

Source: Calaveras County Environmental Management Agency
Telephone: 209-754-6399
Last EDR Contact: 04/24/2023
Next Scheduled EDR Contact: 09/16/2019
Data Release Frequency: Varies

DRYCLEAN BUTTE CO DIST: Butte County Air Quality Management DistrictDrycleaner Facility Listing
Butte County Air Quality Management DistrictDrycleaner Facility Listing.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1469

Source: Butte County Air Quality Management District
Telephone: 530-332-9400
Last EDR Contact: 10/03/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN BAY AREA DIST: Bay Area Air Quality Management District Drycleaner Facility Listing
Bay Area Air Quality Management District Drycleaner Facility Listing.

Date of Government Version: 02/20/2019
Date Data Arrived at EDR: 05/30/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1432

Source: Bay Area Air Quality Management District
Telephone: 415-516-1916
Last EDR Contact: 12/04/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN PLACER CO DIST: Placer County Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Placer County Air Quality Management District.

Date of Government Version: 05/15/2023
Date Data Arrived at EDR: 05/17/2023
Date Made Active in Reports: 08/14/2023
Number of Days to Update: 89

Source: Placer County Air Quality Management District
Telephone: 530-745-2335
Last EDR Contact: 05/11/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN YOLO-SOLANO DIST: Yolo-Solano Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Yolo-Solano Air Quality Management District.

Date of Government Version: 04/25/2023
Date Data Arrived at EDR: 04/27/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 78

Source: Yolo-Solano Air Quality Management District
Telephone: 530-757-3650
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN SHASTA CO DIST: Shasta County Air Quality Management District District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Shasta County Air Quality Management District.

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 04/27/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 78

Source: Shasta County Air Quality Management District
Telephone: 530-225-5674
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN MONTEREY BAY DIST: Monterey Bay Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Monterey Bay Air Quality Management District.

Date of Government Version: 04/25/2023
Date Data Arrived at EDR: 04/26/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 79

Source: Monterey Bay Air Quality Management District
Telephone: 831-647-9411
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN MOJAVE DESERT DIST: Mojave Desert Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Mojave Desert Air Quality Management District.

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 04/27/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 78

Source: Mojave Desert Air Quality Management District
Telephone: 760-245-1661
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN MENDO CO DIST: Mendocino County Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Mendocino County Air Quality Management District.

Date of Government Version: 04/27/2023
Date Data Arrived at EDR: 04/28/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 77

Source: Mendocino County Air Quality Management District
Telephone: 707-463-4354
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN IMPERIAL CO DIST: Imperial County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Imperial County Air Pollution Control District

Date of Government Version: 04/25/2023
Date Data Arrived at EDR: 04/26/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 79

Source: Imperial County Air Pollution Control District
Telephone: 442-265-1800
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN EAST KERN DIST: Eastern Kern Air Pollution Control District District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Eastern Kern Air Pollution Control District.

Date of Government Version: 01/12/2023
Date Data Arrived at EDR: 04/26/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 79

Source: Eastern Kern Air Pollution Control District
Telephone: 661-862-9684
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN SAN JOAQ VAL DIST: San Joaquin Valley Air Pollution Control District District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the San Joaquin Valley Air Pollution Control District.

Date of Government Version: 05/24/2023
Date Data Arrived at EDR: 05/30/2023
Date Made Active in Reports: 08/21/2023
Number of Days to Update: 83

Source: San Joaquin Valley Air Pollution Control District
Telephone: 559-230-6001
Last EDR Contact: 05/11/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 08/22/2023
Date Data Arrived at EDR: 08/24/2023
Date Made Active in Reports: 11/07/2023
Number of Days to Update: 75

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 11/21/2023
Next Scheduled EDR Contact: 03/11/2024
Data Release Frequency: Varies

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 08/18/2023
Date Data Arrived at EDR: 08/18/2023
Date Made Active in Reports: 11/01/2023
Number of Days to Update: 75

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 11/13/2023
Next Scheduled EDR Contact: 03/04/2024
Data Release Frequency: Varies

DRYCLEAN FEATHER RIVER DIST: Feather River Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Feather River Air Quality Management District.

Date of Government Version: 03/08/2023
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 06/05/2023
Number of Days to Update: 88

Source: Feather River Air Quality Management District
Telephone: 530-634-7659
Last EDR Contact: 06/08/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN SAN LUIS OB CO DIST: San Luis Obispo County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the San Luis Obispo County Air Pollution Control District.

Date of Government Version: 07/26/2023
Date Data Arrived at EDR: 07/27/2023
Date Made Active in Reports: 10/13/2023
Number of Days to Update: 78

Source: San Luis Obispo County Air Pollution Control District
Telephone: 805-781-5756
Last EDR Contact: 07/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

EMI: Emissions Inventory Data
Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 06/09/2023
Date Made Active in Reports: 08/30/2023
Number of Days to Update: 82

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 09/15/2023
Next Scheduled EDR Contact: 12/25/2023
Data Release Frequency: Varies

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 07/17/2023
Date Data Arrived at EDR: 07/18/2023
Date Made Active in Reports: 10/05/2023
Number of Days to Update: 79

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 10/17/2023
Next Scheduled EDR Contact: 01/29/2024
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 09/13/2023
Date Data Arrived at EDR: 09/14/2023
Date Made Active in Reports: 09/21/2023
Number of Days to Update: 7

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 09/13/2023
Next Scheduled EDR Contact: 01/29/2024
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 08/03/2023
Date Data Arrived at EDR: 08/16/2023
Date Made Active in Reports: 11/01/2023
Number of Days to Update: 77

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 11/13/2023
Next Scheduled EDR Contact: 02/19/2024
Data Release Frequency: Varies

ICE: Inspection, Compliance and Enforcement

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 08/14/2023
Date Data Arrived at EDR: 08/14/2023
Date Made Active in Reports: 10/31/2023
Number of Days to Update: 78

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 11/10/2023
Next Scheduled EDR Contact: 02/26/2024
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 08/14/2023
Date Data Arrived at EDR: 08/14/2023
Date Made Active in Reports: 10/31/2023
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/10/2023
Next Scheduled EDR Contact: 02/26/2024
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 06/29/2023
Date Data Arrived at EDR: 06/29/2023
Date Made Active in Reports: 09/19/2023
Number of Days to Update: 82

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 10/04/2023
Next Scheduled EDR Contact: 01/15/2024
Data Release Frequency: Quarterly

HWTS: Hazardous Waste Tracking System

DTSC maintains the Hazardous Waste Tracking System that stores ID number information since the early 1980s and manifest data since 1993. The system collects both manifest copies from the generator and destination facility.

Date of Government Version: 08/04/2023
Date Data Arrived at EDR: 08/09/2023
Date Made Active in Reports: 10/26/2023
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-324-2444
Last EDR Contact: 09/27/2023
Next Scheduled EDR Contact: 01/15/2024
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 07/05/2022
Date Made Active in Reports: 09/19/2022
Number of Days to Update: 76

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 07/05/2022
Next Scheduled EDR Contact: 01/15/2024
Data Release Frequency: Annually

MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 09/05/2023
Date Data Arrived at EDR: 09/06/2023
Date Made Active in Reports: 11/27/2023
Number of Days to Update: 82

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 11/29/2023
Next Scheduled EDR Contact: 03/18/2024
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 08/08/2023
Date Data Arrived at EDR: 08/29/2023
Date Made Active in Reports: 11/13/2023
Number of Days to Update: 76

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 11/22/2023
Next Scheduled EDR Contact: 03/11/2024
Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 08/07/2023
Date Data Arrived at EDR: 08/08/2023
Date Made Active in Reports: 10/26/2023
Number of Days to Update: 79

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 11/07/2023
Next Scheduled EDR Contact: 02/19/2024
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing

A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 08/28/2023
Date Data Arrived at EDR: 08/29/2023
Date Made Active in Reports: 11/13/2023
Number of Days to Update: 76

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 11/22/2023
Next Scheduled EDR Contact: 03/11/2024
Data Release Frequency: Quarterly

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 09/05/2023
Date Data Arrived at EDR: 09/06/2023
Date Made Active in Reports: 11/27/2023
Number of Days to Update: 82

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 11/29/2023
Next Scheduled EDR Contact: 03/18/2024
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 09/07/2023
Date Data Arrived at EDR: 09/08/2023
Date Made Active in Reports: 11/28/2023
Number of Days to Update: 81

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 12/05/2023
Next Scheduled EDR Contact: 03/25/2024
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 01/26/2021
Number of Days to Update: 82

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 10/25/2023
Next Scheduled EDR Contact: 02/12/2024
Data Release Frequency: Annually

SANTA CRUZ CO SITE MITI: Site Mitigation Listing

Sites may become contaminated with toxic chemicals through illegal dumping or disposal, from leaking underground storage tanks, or through industrial or commercial activities.The goal of the site mitigation program is to protect the public health and the environment while facilitating completion of contaminated site clean-up projects in a timely manner.

Date of Government Version: 12/03/2018
Date Data Arrived at EDR: 06/23/2023
Date Made Active in Reports: 07/13/2023
Number of Days to Update: 20

Source: Santa Cruz Environmental Health Services
Telephone: 831-454-2761
Last EDR Contact: 11/16/2023
Next Scheduled EDR Contact: 02/26/2024
Data Release Frequency: Varies

UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 09/05/2023
Date Data Arrived at EDR: 09/06/2023
Date Made Active in Reports: 11/28/2023
Number of Days to Update: 83

Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 11/29/2023
Next Scheduled EDR Contact: 03/18/2024
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 09/05/2023
Date Data Arrived at EDR: 09/06/2023
Date Made Active in Reports: 11/27/2023
Number of Days to Update: 82

Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/05/2023
Next Scheduled EDR Contact: 03/18/2024
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing
Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 02/11/2021
Date Data Arrived at EDR: 07/01/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 90

Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 10/06/2023
Next Scheduled EDR Contact: 01/15/2024
Data Release Frequency: Varies

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 11/10/2023
Next Scheduled EDR Contact: 02/26/2024
Data Release Frequency: No Update Planned

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 12/12/2023
Next Scheduled EDR Contact: 04/01/2024
Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)
Military privatized sites

Date of Government Version: 09/05/2023
Date Data Arrived at EDR: 09/06/2023
Date Made Active in Reports: 11/27/2023
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/05/2023
Next Scheduled EDR Contact: 03/18/2024
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)
Projects sites

Date of Government Version: 09/05/2023
Date Data Arrived at EDR: 09/06/2023
Date Made Active in Reports: 11/27/2023
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/05/2023
Next Scheduled EDR Contact: 03/18/2024
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing
In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 09/05/2023
Date Data Arrived at EDR: 09/06/2023
Date Made Active in Reports: 11/28/2023
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 11/29/2023
Next Scheduled EDR Contact: 03/18/2024
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 08/28/2023
Date Data Arrived at EDR: 08/29/2023
Date Made Active in Reports: 11/13/2023
Number of Days to Update: 76

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 11/22/2023
Next Scheduled EDR Contact: 03/11/2024
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 07/17/2023
Date Data Arrived at EDR: 07/18/2023
Date Made Active in Reports: 10/06/2023
Number of Days to Update: 80

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 10/17/2023
Next Scheduled EDR Contact: 01/29/2024
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 09/05/2023
Date Data Arrived at EDR: 09/06/2023
Date Made Active in Reports: 11/27/2023
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/05/2023
Next Scheduled EDR Contact: 03/18/2024
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 09/05/2023
Date Data Arrived at EDR: 09/06/2023
Date Made Active in Reports: 11/27/2023
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/05/2023
Next Scheduled EDR Contact: 03/18/2024
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)

Produced water ponds sites

Date of Government Version: 09/05/2023
Date Data Arrived at EDR: 09/06/2023
Date Made Active in Reports: 11/27/2023
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/05/2023
Next Scheduled EDR Contact: 03/18/2024
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)

Sampling point - public sites

Date of Government Version: 09/05/2023
Date Data Arrived at EDR: 09/06/2023
Date Made Active in Reports: 11/27/2023
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/05/2023
Next Scheduled EDR Contact: 03/18/2024
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)

Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 09/05/2023
Date Data Arrived at EDR: 09/06/2023
Date Made Active in Reports: 11/27/2023
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/05/2023
Next Scheduled EDR Contact: 03/18/2024
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List
The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank
The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites
A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 09/27/2023
Next Scheduled EDR Contact: 01/15/2024
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks
Underground storage tank sites located in Alameda county.

Date of Government Version: 06/27/2023
Date Data Arrived at EDR: 06/28/2023
Date Made Active in Reports: 09/14/2023
Number of Days to Update: 78

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 09/27/2023
Next Scheduled EDR Contact: 01/15/2024
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA AMADOR: CUPA Facility List
Cupa Facility List

Date of Government Version: 04/27/2023
Date Data Arrived at EDR: 04/27/2023
Date Made Active in Reports: 07/13/2023
Number of Days to Update: 77

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 10/25/2023
Next Scheduled EDR Contact: 02/12/2024
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing
Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 09/27/2023
Next Scheduled EDR Contact: 01/15/2024
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 09/12/2023
Date Data Arrived at EDR: 09/13/2023
Date Made Active in Reports: 12/04/2023
Number of Days to Update: 82

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 12/12/2023
Next Scheduled EDR Contact: 04/01/2024
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/06/2020
Date Data Arrived at EDR: 04/23/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 78

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 10/25/2023
Next Scheduled EDR Contact: 02/12/2024
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 07/05/2023
Date Data Arrived at EDR: 07/20/2023
Date Made Active in Reports: 10/05/2023
Number of Days to Update: 77

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 10/20/2023
Next Scheduled EDR Contact: 02/05/2024
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 08/02/2023
Date Data Arrived at EDR: 08/03/2023
Date Made Active in Reports: 10/19/2023
Number of Days to Update: 77

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 10/20/2023
Next Scheduled EDR Contact: 02/05/2024
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/08/2022
Date Data Arrived at EDR: 08/09/2022
Date Made Active in Reports: 09/01/2022
Number of Days to Update: 23

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 10/20/2023
Next Scheduled EDR Contact: 02/05/2024
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 06/28/2021
Date Data Arrived at EDR: 12/21/2021
Date Made Active in Reports: 03/03/2022
Number of Days to Update: 72

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 09/28/2023
Next Scheduled EDR Contact: 01/08/2024
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 10/10/2023
Next Scheduled EDR Contact: 01/29/2024
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/12/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 88

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 11/08/2023
Next Scheduled EDR Contact: 02/26/2024
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 07/11/2023
Date Data Arrived at EDR: 07/12/2023
Date Made Active in Reports: 09/26/2023
Number of Days to Update: 76

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 10/10/2023
Next Scheduled EDR Contact: 01/29/2024
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 11/08/2023
Next Scheduled EDR Contact: 02/26/2024
Data Release Frequency: Varies

KERN COUNTY:

CUPA KERN: CUPA Facility List
A listing of sites included in the Kern County Hazardous Material Business Plan.

Date of Government Version: 07/26/2023
Date Data Arrived at EDR: 07/27/2023
Date Made Active in Reports: 08/09/2023
Number of Days to Update: 13

Source: Kern County Public Health
Telephone: 661-321-3000
Last EDR Contact: 10/25/2023
Next Scheduled EDR Contact: 02/12/2024
Data Release Frequency: Varies

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 07/26/2023
Date Data Arrived at EDR: 07/27/2023
Date Made Active in Reports: 08/03/2023
Number of Days to Update: 7

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 10/25/2023
Next Scheduled EDR Contact: 02/12/2024
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 12/03/2020
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/14/2021
Number of Days to Update: 78

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 11/08/2023
Next Scheduled EDR Contact: 02/26/2024
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 10/27/2023
Date Data Arrived at EDR: 11/01/2023
Date Made Active in Reports: 11/21/2023
Number of Days to Update: 20

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 10/04/2023
Next Scheduled EDR Contact: 01/22/2024
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List
Cupa facility list

Date of Government Version: 07/31/2020
Date Data Arrived at EDR: 08/21/2020
Date Made Active in Reports: 11/09/2020
Number of Days to Update: 80

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 10/10/2023
Next Scheduled EDR Contact: 01/29/2024
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: N/A
Telephone: N/A
Last EDR Contact: 12/05/2023
Next Scheduled EDR Contact: 03/25/2024
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 06/21/2023
Date Data Arrived at EDR: 06/28/2023
Date Made Active in Reports: 09/14/2023
Number of Days to Update: 78

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 09/27/2023
Next Scheduled EDR Contact: 01/15/2024
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 07/10/2023
Date Data Arrived at EDR: 07/10/2023
Date Made Active in Reports: 09/27/2023
Number of Days to Update: 79

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 10/09/2023
Next Scheduled EDR Contact: 01/22/2024
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 12/31/2022
Date Data Arrived at EDR: 01/12/2023
Date Made Active in Reports: 03/29/2023
Number of Days to Update: 76

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 10/04/2023
Next Scheduled EDR Contact: 01/22/2024
Data Release Frequency: Varies

LOS ANGELES AST: Active & Inactive AST Inventory
A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 09/19/2023
Next Scheduled EDR Contact: 01/01/2024
Data Release Frequency: Varies

LOS ANGELES CO LF METHANE: Methane Producing Landfills
This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 04/13/2023
Date Data Arrived at EDR: 07/13/2023
Date Made Active in Reports: 09/27/2023
Number of Days to Update: 76

Source: Los Angeles County Department of Public Works
Telephone: 626-458-6973
Last EDR Contact: 10/04/2023
Next Scheduled EDR Contact: 01/22/2024
Data Release Frequency: No Update Planned

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory
A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 06/20/2023
Date Data Arrived at EDR: 06/22/2023
Date Made Active in Reports: 08/09/2023
Number of Days to Update: 48

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 09/20/2023
Next Scheduled EDR Contact: 01/01/2024
Data Release Frequency: Varies

LOS ANGELES UST: Active & Inactive UST Inventory
A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 09/01/2023
Date Data Arrived at EDR: 09/20/2023
Date Made Active in Reports: 12/08/2023
Number of Days to Update: 79

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 09/20/2023
Next Scheduled EDR Contact: 01/01/2024
Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 03/02/2023
Date Data Arrived at EDR: 04/18/2023
Date Made Active in Reports: 07/07/2023
Number of Days to Update: 80

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 10/17/2023
Next Scheduled EDR Contact: 01/29/2024
Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 10/04/2023
Next Scheduled EDR Contact: 01/22/2024
Data Release Frequency: No Update Planned

UST LONG BEACH: City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 65

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 10/10/2023
Next Scheduled EDR Contact: 01/29/2024
Data Release Frequency: Varies

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 04/12/2023
Date Data Arrived at EDR: 05/02/2023
Date Made Active in Reports: 06/13/2023
Number of Days to Update: 42

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 10/10/2023
Next Scheduled EDR Contact: 01/29/2024
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/10/2020
Date Data Arrived at EDR: 08/12/2020
Date Made Active in Reports: 10/23/2020
Number of Days to Update: 72

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 11/08/2023
Next Scheduled EDR Contact: 02/26/2024
Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 29

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 09/21/2023
Next Scheduled EDR Contact: 01/08/2024
Data Release Frequency: Semi-Annually

MENDOCINO COUNTY:

UST MENDOCINO: Mendocino County UST Database
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/22/2021
Date Data Arrived at EDR: 11/18/2021
Date Made Active in Reports: 11/22/2021
Number of Days to Update: 4

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 11/13/2023
Next Scheduled EDR Contact: 03/04/2024
Data Release Frequency: Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 07/25/2023
Date Data Arrived at EDR: 08/03/2023
Date Made Active in Reports: 10/19/2023
Number of Days to Update: 77

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 11/08/2023
Next Scheduled EDR Contact: 02/26/2024
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 02/22/2021
Date Data Arrived at EDR: 03/02/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 78

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 11/13/2023
Next Scheduled EDR Contact: 03/04/2024
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 10/04/2021
Date Data Arrived at EDR: 10/06/2021
Date Made Active in Reports: 12/29/2021
Number of Days to Update: 84

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 11/02/2023
Next Scheduled EDR Contact: 01/08/2024
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 11/13/2023
Next Scheduled EDR Contact: 03/04/2024
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 11/13/2023
Next Scheduled EDR Contact: 03/04/2024
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 07/21/2023
Date Data Arrived at EDR: 07/25/2023
Date Made Active in Reports: 10/11/2023
Number of Days to Update: 78

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 10/20/2023
Next Scheduled EDR Contact: 02/05/2024
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 05/15/2023
Date Data Arrived at EDR: 07/31/2023
Date Made Active in Reports: 08/09/2023
Number of Days to Update: 9

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/01/2023
Next Scheduled EDR Contact: 02/12/2024
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 05/15/2023
Date Data Arrived at EDR: 07/31/2023
Date Made Active in Reports: 08/09/2023
Number of Days to Update: 9

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/01/2023
Next Scheduled EDR Contact: 02/12/2024
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 04/01/2023
Date Data Arrived at EDR: 05/18/2023
Date Made Active in Reports: 06/14/2023
Number of Days to Update: 27

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/01/2023
Next Scheduled EDR Contact: 02/12/2024
Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 11/09/2023
Date Data Arrived at EDR: 11/09/2023
Date Made Active in Reports: 11/21/2023
Number of Days to Update: 12

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 11/01/2023
Next Scheduled EDR Contact: 03/11/2024
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 10/10/2023
Next Scheduled EDR Contact: 01/29/2024
Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 07/10/2023
Date Data Arrived at EDR: 07/11/2023
Date Made Active in Reports: 09/26/2023
Number of Days to Update: 77

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/05/2023
Next Scheduled EDR Contact: 03/25/2024
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 07/10/2023
Date Data Arrived at EDR: 07/11/2023
Date Made Active in Reports: 09/26/2023
Number of Days to Update: 77

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/05/2023
Next Scheduled EDR Contact: 03/25/2024
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 11/07/2022
Date Data Arrived at EDR: 12/21/2022
Date Made Active in Reports: 03/16/2023
Number of Days to Update: 85

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 09/25/2023
Next Scheduled EDR Contact: 01/08/2024
Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 11/07/2022
Date Data Arrived at EDR: 12/09/2022
Date Made Active in Reports: 03/01/2023
Number of Days to Update: 82

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 09/25/2023
Next Scheduled EDR Contact: 01/08/2024
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List
Cupa facility list

Date of Government Version: 05/02/2023
Date Data Arrived at EDR: 05/04/2023
Date Made Active in Reports: 07/25/2023
Number of Days to Update: 82

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 10/18/2023
Next Scheduled EDR Contact: 02/12/2024
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 08/15/2023
Date Data Arrived at EDR: 08/16/2023
Date Made Active in Reports: 11/01/2023
Number of Days to Update: 77

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 10/26/2023
Next Scheduled EDR Contact: 02/12/2024
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

HMMD SAN DIEGO: Hazardous Materials Management Division Database
The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 08/28/2023
Date Data Arrived at EDR: 08/29/2023
Date Made Active in Reports: 11/13/2023
Number of Days to Update: 76

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 11/27/2023
Next Scheduled EDR Contact: 03/11/2024
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities
San Diego County Solid Waste Facilities.

Date of Government Version: 04/04/2023
Date Data Arrived at EDR: 04/05/2023
Date Made Active in Reports: 06/27/2023
Number of Days to Update: 83

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 10/10/2023
Next Scheduled EDR Contact: 01/29/2024
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing
A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 07/22/2021
Date Data Arrived at EDR: 10/19/2021
Date Made Active in Reports: 01/13/2022
Number of Days to Update: 86

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 10/10/2023
Next Scheduled EDR Contact: 01/29/2024
Data Release Frequency: Varies

SAN DIEGO CO SAM: Environmental Case Listing
The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 11/21/2023
Next Scheduled EDR Contact: 03/11/2024
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

CUPA SAN FRANCISCO CO: CUPA Facility Listing
Cupa facilities

Date of Government Version: 08/04/2023
Date Data Arrived at EDR: 08/08/2023
Date Made Active in Reports: 10/26/2023
Number of Days to Update: 79

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 10/25/2023
Next Scheduled EDR Contact: 02/12/2024
Data Release Frequency: Varies

LUST SAN FRANCISCO: Local Oversite Facilities
A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 10/25/2023
Next Scheduled EDR Contact: 02/12/2024
Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 08/04/2023
Date Data Arrived at EDR: 08/08/2023
Date Made Active in Reports: 10/25/2023
Number of Days to Update: 78

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 10/25/2023
Next Scheduled EDR Contact: 02/12/2024
Data Release Frequency: Quarterly

SAN FRANCISO COUNTY:

SAN FRANCISCO MAHER: Maher Ordinance Property Listing
a listing of properties that fall within a Maher Ordinance, for all of San Francisco

Date of Government Version: 07/17/2023
Date Data Arrived at EDR: 07/18/2023
Date Made Active in Reports: 10/05/2023
Number of Days to Update: 79

Source: San Francisco Planning
Telephone: 628-652-7483
Last EDR Contact: 10/17/2023
Next Scheduled EDR Contact: 01/29/2024
Data Release Frequency: Varies

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 12/05/2023
Next Scheduled EDR Contact: 03/25/2024
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 08/09/2023
Date Data Arrived at EDR: 08/10/2023
Date Made Active in Reports: 10/27/2023
Number of Days to Update: 78

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 11/08/2023
Next Scheduled EDR Contact: 02/26/2024
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 12/07/2023
Next Scheduled EDR Contact: 03/18/2024
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 11/28/2023
Next Scheduled EDR Contact: 03/18/2024
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 11/08/2023
Next Scheduled EDR Contact: 02/26/2024
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 11/07/2023
Date Data Arrived at EDR: 11/08/2023
Date Made Active in Reports: 11/16/2023
Number of Days to Update: 8

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 10/31/2023
Next Scheduled EDR Contact: 02/26/2024
Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 11/13/2023
Next Scheduled EDR Contact: 03/04/2024
Data Release Frequency: No Update Planned

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 11/08/2023
Next Scheduled EDR Contact: 02/26/2024
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 11/08/2023
Next Scheduled EDR Contact: 02/26/2024
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/13/2019
Number of Days to Update: 68

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 11/21/2023
Next Scheduled EDR Contact: 03/11/2024
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 09/15/2021
Date Data Arrived at EDR: 09/16/2021
Date Made Active in Reports: 12/09/2021
Number of Days to Update: 84

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 11/21/2023
Next Scheduled EDR Contact: 03/11/2024
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 07/02/2021
Date Data Arrived at EDR: 07/06/2021
Date Made Active in Reports: 07/14/2021
Number of Days to Update: 8

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 12/12/2023
Next Scheduled EDR Contact: 04/01/2024
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 06/30/2021
Date Made Active in Reports: 09/24/2021
Number of Days to Update: 86

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 12/12/2023
Next Scheduled EDR Contact: 04/01/2024
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 02/08/2022
Date Data Arrived at EDR: 02/10/2022
Date Made Active in Reports: 05/04/2022
Number of Days to Update: 83

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 10/04/2023
Next Scheduled EDR Contact: 01/22/2024
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 08/03/2023
Date Data Arrived at EDR: 08/24/2023
Date Made Active in Reports: 09/12/2023
Number of Days to Update: 19

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 11/21/2023
Next Scheduled EDR Contact: 03/11/2024
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 08/01/2023
Date Data Arrived at EDR: 08/02/2023
Date Made Active in Reports: 10/19/2023
Number of Days to Update: 78

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 12/05/2023
Next Scheduled EDR Contact: 02/12/2024
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 07/11/2023
Date Data Arrived at EDR: 07/12/2023
Date Made Active in Reports: 09/26/2023
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 10/10/2023
Next Scheduled EDR Contact: 01/29/2024
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 10/07/2022
Date Data Arrived at EDR: 10/07/2022
Date Made Active in Reports: 12/21/2022
Number of Days to Update: 75

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 10/25/2023
Next Scheduled EDR Contact: 02/12/2024
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List
Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 10/10/2023
Next Scheduled EDR Contact: 01/29/2024
Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 06/26/2023
Date Data Arrived at EDR: 07/20/2023
Date Made Active in Reports: 10/03/2023
Number of Days to Update: 75

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 10/16/2023
Next Scheduled EDR Contact: 01/29/2024
Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 09/21/2023
Next Scheduled EDR Contact: 01/08/2024
Data Release Frequency: No Update Planned

LUST VENTURA: Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 11/02/2023
Next Scheduled EDR Contact: 02/19/2024
Data Release Frequency: No Update Planned

MED WASTE VENTURA: Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 06/26/2023
Date Data Arrived at EDR: 07/25/2023
Date Made Active in Reports: 10/13/2023
Number of Days to Update: 80

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 10/16/2023
Next Scheduled EDR Contact: 01/29/2024
Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 08/28/2023
Date Data Arrived at EDR: 09/06/2023
Date Made Active in Reports: 11/28/2023
Number of Days to Update: 83

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 11/29/2023
Next Scheduled EDR Contact: 03/18/2024
Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 04/03/2023
Date Data Arrived at EDR: 04/18/2023
Date Made Active in Reports: 06/13/2023
Number of Days to Update: 56

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 09/21/2023
Next Scheduled EDR Contact: 01/08/2024
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 07/24/2023
Date Data Arrived at EDR: 07/26/2023
Date Made Active in Reports: 10/11/2023
Number of Days to Update: 77

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 10/20/2023
Next Scheduled EDR Contact: 02/05/2024
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 08/07/2023
Date Data Arrived at EDR: 08/08/2023
Date Made Active in Reports: 10/24/2023
Number of Days to Update: 77

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 11/07/2023
Next Scheduled EDR Contact: 02/19/2024
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 09/28/2023
Next Scheduled EDR Contact: 01/15/2024
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 11/30/2023
Date Made Active in Reports: 12/01/2023
Number of Days to Update: 1

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 11/30/2023
Next Scheduled EDR Contact: 02/05/2024
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 10/05/2023
Next Scheduled EDR Contact: 01/22/2024
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/18/2022
Number of Days to Update: 80

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 11/09/2022
Next Scheduled EDR Contact: 02/26/2024
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 11/29/2023
Next Scheduled EDR Contact: 03/18/2024
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: Endeavor Business Media
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data
Source: Endeavor Business Media
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.
Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

5802 SANTA CATALINA
5802 SANTA CATALINA
GARDEN GROVE, CA 92845

TARGET PROPERTY COORDINATES

Latitude (North):	33.790863 - 33˚ 47’ 27.11’’
Longitude (West):	118.032017 - 118˚ 1’ 55.26’’
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	404458.4
UTM Y (Meters):	3739252.5
Elevation:	32 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	50004889 LOS ALAMITOS, CA
Version Date:	2021

EDR’s GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

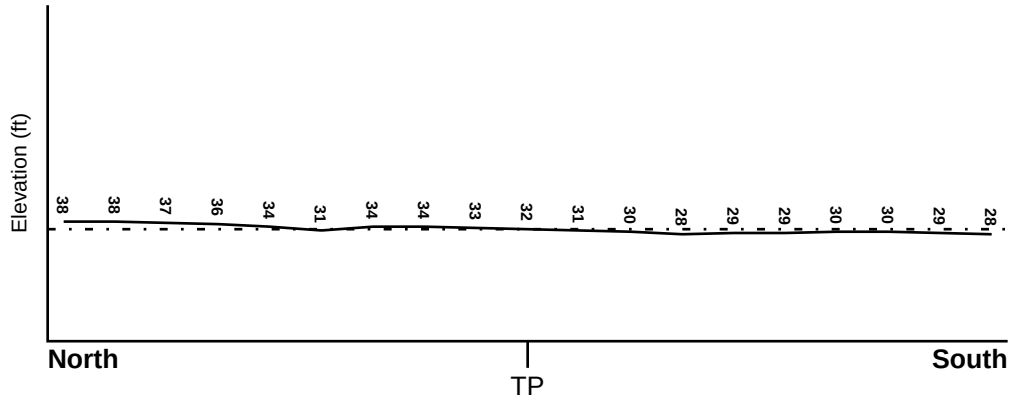
TOPOGRAPHIC INFORMATION

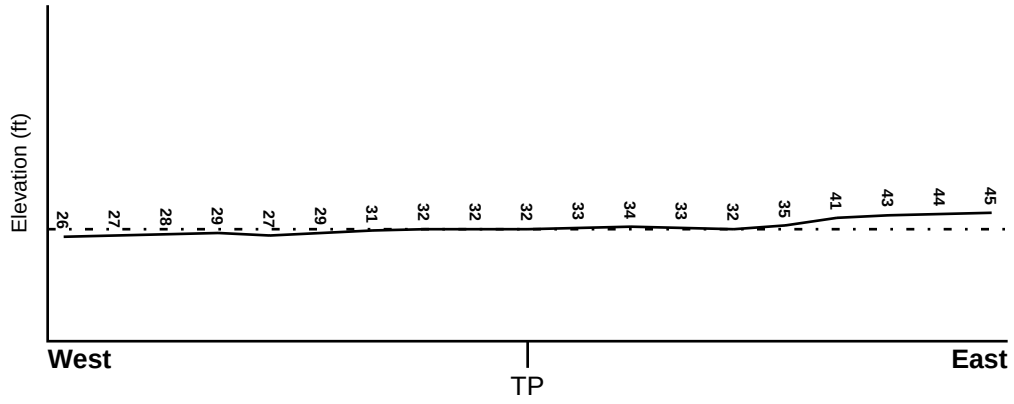
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General South

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Target Property Elevation: 32 ft.

0 1/2 1 Miles

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
06037C2000F	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
Not Reported	

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
LOS ALAMITOS	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
A9	1/8 - 1/4 Mile SE	Not Reported
A10	1/4 - 1/2 Mile SE	W
A15	1/4 - 1/2 Mile SE	WSW
I123	1/2 - 1 Mile South	Not Reported
134	1/2 - 1 Mile NNW	Varies
1G	1/2 - 1 Mile NNW	Varies
2G	1/4 - 1/2 Mile SE	W
3G	1/8 - 1/4 Mile SE	Not Reported

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
4G	1/4 - 1/2 Mile SE	WSW
5G	1/2 - 1 Mile South	Not Reported

For additional site information, refer to Physical Setting Source Map Findings.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

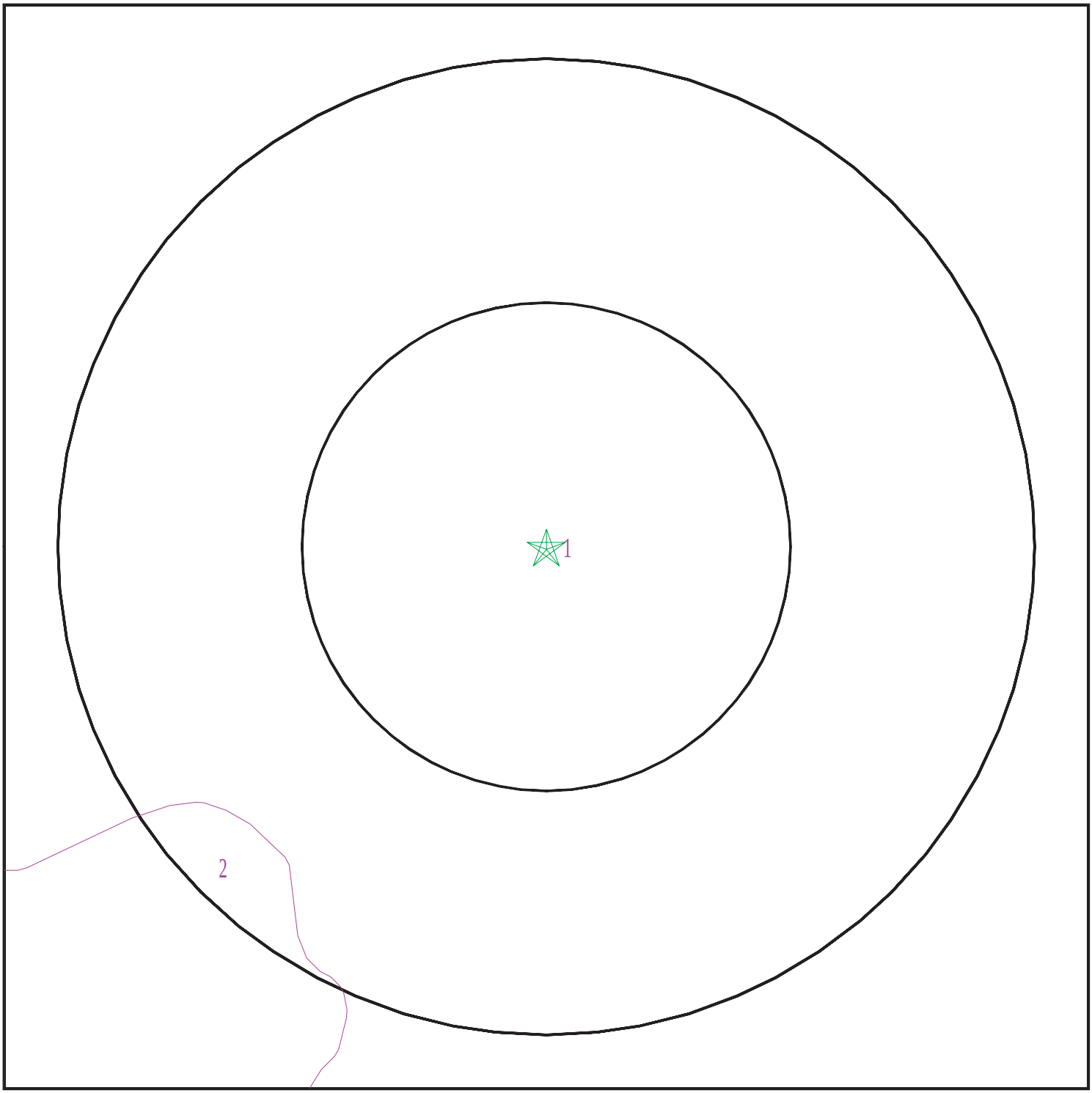
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 7519416.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	5802 Santa Catalina	CLIENT:	Stantec
ADDRESS:	5802 Santa Catalina Garden Grove CA 92845	CONTACT:	Alicia Jansen - Stantec
		INQUIRY #:	7519416.2s
LAT/LONG:	33.790863 / 118.032017	DATE:	December 13, 2023 9:03 am

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: HUENEME

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class:
Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	27 inches	fine sandy loam	Not reported	Not reported	Max: 42 Min: 14	Max: 8.4 Min: 7.4
2	27 inches	59 inches	stratified sand to silt loam	Not reported	Not reported	Max: 42 Min: 14	Max: 8.4 Min: 7.4

Soil Map ID: 2

Soil Component Name: BOLSA

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class:
Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 inches	silt loam	Not reported	Not reported	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9
2	11 inches	68 inches	silty clay loam	Not reported	Not reported	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
E62	USGS40000138224	1/2 - 1 Mile ENE
H112	USGS40000138121	1/2 - 1 Mile SSW
H118	USGS40000138122	1/2 - 1 Mile SSW
J128	USGS40000138297	1/2 - 1 Mile NNE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
61	CA3900721	1/2 - 1 Mile SW

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	CAEDF0000131599	1/8 - 1/4 Mile SE
A2	CAEDF0000137336	1/8 - 1/4 Mile SE
A3	CAEDF0000042638	1/8 - 1/4 Mile SE
A4	CAEDF0000111702	1/8 - 1/4 Mile SE
A5	CAEDF0000054606	1/8 - 1/4 Mile SE
A6	CAEDF0000043617	1/8 - 1/4 Mile SE
A7	CAEDF0000105682	1/8 - 1/4 Mile SE
A8	CAEDF0000129509	1/8 - 1/4 Mile SE
A11	CAEDF0000043171	1/4 - 1/2 Mile SE
A12	CAEDF0000070834	1/4 - 1/2 Mile SE
A13	CAEDF0000051113	1/4 - 1/2 Mile SE
A14	CAEDF0000035917	1/4 - 1/2 Mile SE
A16	CAEDF0000071452	1/4 - 1/2 Mile SE
A17	CAEDF0000100062	1/4 - 1/2 Mile SE
A18	CAEDF0000033141	1/4 - 1/2 Mile SE
A19	CAEDF0000030940	1/4 - 1/2 Mile SE
A20	CAEDF0000134660	1/4 - 1/2 Mile SE
A21	CAEDF0000067705	1/4 - 1/2 Mile SE
A22	CAEDF0000039401	1/4 - 1/2 Mile SE
B23	CAEDF0000003388	1/4 - 1/2 Mile SE
A24	CAEDF0000129460	1/4 - 1/2 Mile SE
A25	CAEDF0000032762	1/4 - 1/2 Mile SE
A26	CAEDF0000123098	1/4 - 1/2 Mile SE
A27	CAEDF0000111597	1/4 - 1/2 Mile SE
A28	CAEDF0000039318	1/4 - 1/2 Mile SE
B29	CAEDF0000006308	1/4 - 1/2 Mile SSE
B30	CAEDF0000034963	1/4 - 1/2 Mile SSE
A31	CAEDF0000051416	1/4 - 1/2 Mile SE
A32	CAEDF0000138723	1/4 - 1/2 Mile SE
A33	CAEDF0000058151	1/4 - 1/2 Mile SE
A34	CAEDF0000014964	1/4 - 1/2 Mile SE
B35	CAEDF0000091133	1/4 - 1/2 Mile SE
A36	CAEDF0000116218	1/4 - 1/2 Mile SE
B37	CAEDF0000091135	1/4 - 1/2 Mile SE
C38	CAEDF0000130828	1/4 - 1/2 Mile SE
B39	CAEDF0000055505	1/4 - 1/2 Mile SE
B40	CAEDF0000019112	1/4 - 1/2 Mile SE
B41	CAEDF0000077129	1/4 - 1/2 Mile SE
C42	CAEDF0000094995	1/4 - 1/2 Mile ESE
B43	CAEDF0000081145	1/4 - 1/2 Mile SE
C44	CAEDF0000115132	1/4 - 1/2 Mile SE
C45	CAEDF0000139144	1/4 - 1/2 Mile SE
C46	CAEDF0000011967	1/4 - 1/2 Mile SE
C47	CAEDF0000128494	1/4 - 1/2 Mile SE
C48	CAEDF0000009687	1/4 - 1/2 Mile SE
C49	CAEDF0000118114	1/4 - 1/2 Mile SE
C50	CAEDF0000056567	1/4 - 1/2 Mile SE
C51	CAEDF0000131675	1/4 - 1/2 Mile SE
C52	CAEDF0000131102	1/4 - 1/2 Mile SE
D53	CAEDF0000133830	1/4 - 1/2 Mile SE
C54	CAEDF0000042362	1/4 - 1/2 Mile SE
C55	CAEDF0000040572	1/4 - 1/2 Mile SE

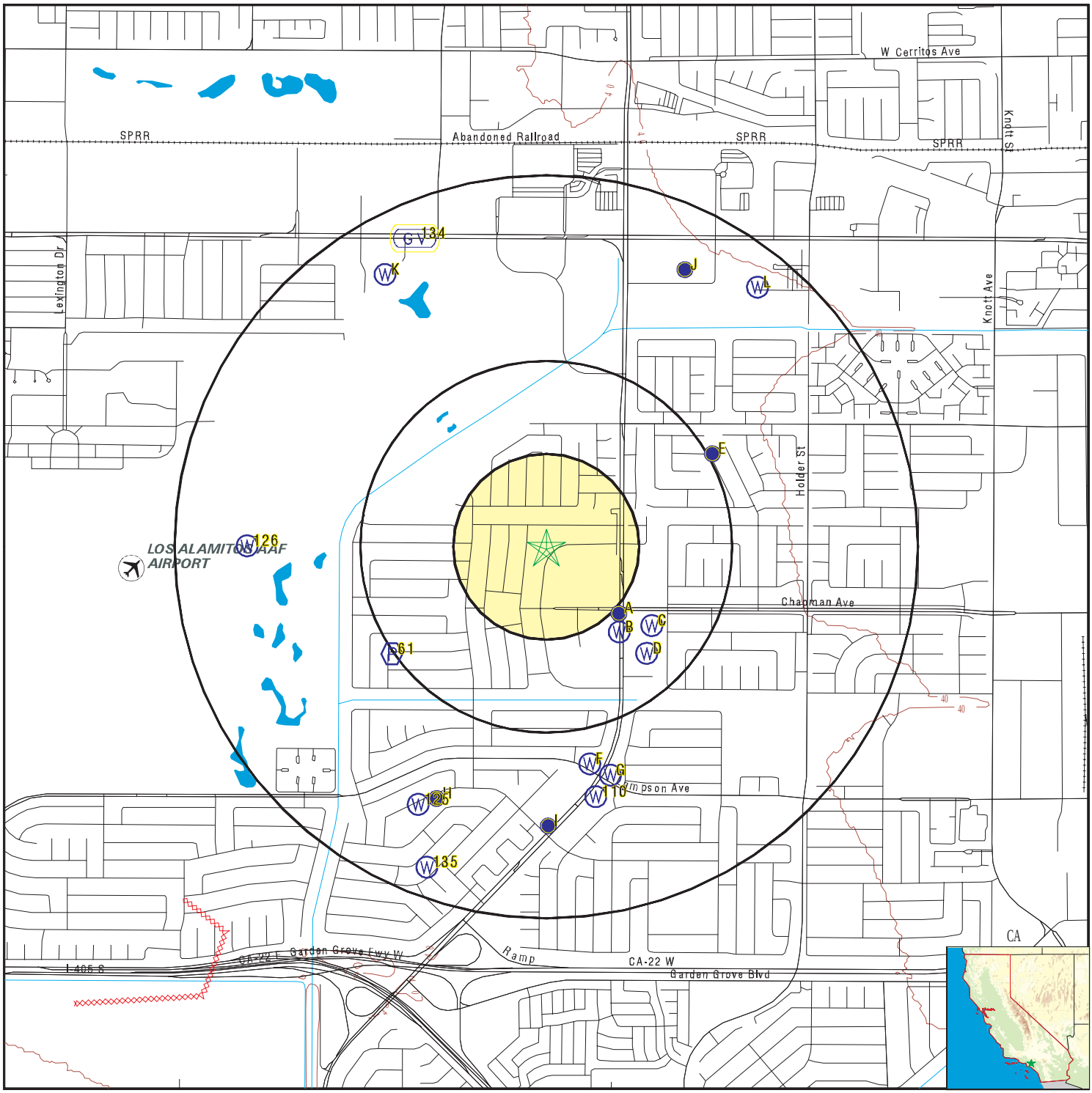
STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
D56	CAEDF0000080662	1/4 - 1/2 Mile SE
D57	CAEDF0000123748	1/4 - 1/2 Mile SE
D58	CAEDF0000074778	1/4 - 1/2 Mile SE
D59	CAEDF0000097502	1/4 - 1/2 Mile SE
D60	CAEDF0000109132	1/4 - 1/2 Mile SE
E63	CAUSGSN00019106	1/2 - 1 Mile ENE
F64	CAEDF0000075335	1/2 - 1 Mile SSE
F65	CAEDF0000008121	1/2 - 1 Mile SSE
F66	CAEDF0000132223	1/2 - 1 Mile SSE
F67	CAEDF0000065713	1/2 - 1 Mile SSE
F68	CAEDF0000120543	1/2 - 1 Mile South
F69	CAEDF0000122275	1/2 - 1 Mile South
F70	CAEDF0000142806	1/2 - 1 Mile South
F71	CAEDF0000071934	1/2 - 1 Mile SSE
F72	CAEDF0000113786	1/2 - 1 Mile South
F73	CAEDF0000048957	1/2 - 1 Mile South
F74	CAEDF0000016558	1/2 - 1 Mile South
F75	CAEDF0000011683	1/2 - 1 Mile SSE
F76	CAEDF0000014321	1/2 - 1 Mile South
F77	CAEDF0000050119	1/2 - 1 Mile South
F78	CAEDF0000052035	1/2 - 1 Mile South
F79	CAEDF0000011105	1/2 - 1 Mile SSE
F80	CAEDF0000124306	1/2 - 1 Mile SSE
F81	CAEDF0000085377	1/2 - 1 Mile SSE
F82	CAEDF0000037869	1/2 - 1 Mile SSE
F83	CAEDF0000120195	1/2 - 1 Mile SSE
F84	CAEDF0000066730	1/2 - 1 Mile SSE
F85	CAEDF0000063986	1/2 - 1 Mile SSE
F86	CAEDF0000113020	1/2 - 1 Mile SSE
F87	CAEDF0000052410	1/2 - 1 Mile SSE
F88	CAEDF0000051384	1/2 - 1 Mile South
F89	CAEDF0000046378	1/2 - 1 Mile South
F90	CAEDF0000009203	1/2 - 1 Mile South
G91	CAEDF0000118440	1/2 - 1 Mile SSE
G92	CAEDF0000080037	1/2 - 1 Mile SSE
G93	CAEDF0000054907	1/2 - 1 Mile SSE
G94	CAEDF0000041975	1/2 - 1 Mile SSE
G95	CAEDF0000037933	1/2 - 1 Mile SSE
G96	CAEDF0000127227	1/2 - 1 Mile SSE
G97	CAEDF0000113045	1/2 - 1 Mile SSE
G98	CAEDF0000084902	1/2 - 1 Mile SSE
G99	CAEDF0000059357	1/2 - 1 Mile SSE
G100	CAEDF0000062156	1/2 - 1 Mile SSE
G101	CAEDF0000051022	1/2 - 1 Mile SSE
G102	CAEDF0000070381	1/2 - 1 Mile SSE
G103	CAEDF0000059842	1/2 - 1 Mile SSE
G104	CAEDF0000121837	1/2 - 1 Mile SSE
G105	CAEDF0000100180	1/2 - 1 Mile SSE
G106	CAEDF0000120248	1/2 - 1 Mile SSE
G107	CAEDF0000134927	1/2 - 1 Mile SSE
G108	CAEDF0000072179	1/2 - 1 Mile SSE
G109	CAEDF0000115542	1/2 - 1 Mile SSE

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
110	CAEDF0000091906	1/2 - 1 Mile South
H111	CADDW0000019668	1/2 - 1 Mile SSW
H113	CAUSGSN00002323	1/2 - 1 Mile SSW
H114	CALLNL000001380	1/2 - 1 Mile SSW
I115	CAEDF0000132648	1/2 - 1 Mile South
I116	CAEDF0000077352	1/2 - 1 Mile South
H117	CAUSGSN00011871	1/2 - 1 Mile SSW
I119	CAEDF0000092748	1/2 - 1 Mile South
I120	CAEDF0000119208	1/2 - 1 Mile South
I121	CAEDF0000036800	1/2 - 1 Mile South
I122	CAEDF0000107175	1/2 - 1 Mile South
I124	CAEDF0000120415	1/2 - 1 Mile South
125	CADWR0000009073	1/2 - 1 Mile SSW
126	CADWR9000005545	1/2 - 1 Mile West
J127	CADWR9000005602	1/2 - 1 Mile NNE
K129	CAEDF0000099283	1/2 - 1 Mile NNW
K130	CAEDF0000103681	1/2 - 1 Mile NNW
L131	CAEDF0000130725	1/2 - 1 Mile NE
L132	CAEDF0000020892	1/2 - 1 Mile NE
L133	CAEDF0000066282	1/2 - 1 Mile NE
135	5275	1/2 - 1 Mile SSW

PHYSICAL SETTING SOURCE MAP - 7519416.2s



County Boundary
Major Roads
Contour Lines
Earthquake Fault Lines
Airports
Earthquake epicenter, Richter 5 or greater
Water Wells
Public Water Supply Wells
Cluster of Multiple Icons

Groundwater Flow Direction
GI Indeterminate Groundwater Flow at Location
GV Groundwater Flow Varies at Location
HD Closest Hydrogeological Data
Oil, gas or related wells

SITE NAME:	5802 Santa Catalina	CLIENT:	Stantec
ADDRESS:	5802 Santa Catalina Garden Grove CA 92845	CONTACT:	Alicia Jansen - Stantec
		INQUIRY #:	7519416.2s
LAT/LONG:	33.790863 / 118.032017	DATE:	December 13, 2023 9:03 am

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Map ID Direction Distance Elevation	Database	EDR ID Number
A1 **SE** **1/8 - 1/4 Mile** **Higher**	**CA WELLS**	**CAEDF0000131599**

Well ID:	T0605900080-MW-03	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-03
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900080&assigned_name=MW-03&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900080&assigned_name=MW-03		

A2 **SE** **1/8 - 1/4 Mile** **Higher**	**CA WELLS**	**CAEDF0000137336**

Well ID:	T0605900080-MW-08	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-08
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900080&assigned_name=MW-08&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900080&assigned_name=MW-08		

A3 **SE** **1/8 - 1/4 Mile** **Higher**	**CA WELLS**	**CAEDF0000042638**

Well ID:	T0605900080-MW-07	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-07
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900080&assigned_name=MW-07&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900080&assigned_name=MW-07		

A4 **SE** **1/8 - 1/4 Mile** **Higher**	**CA WELLS**	**CAEDF0000111702**

Well ID:	T0605900080-MW-10B	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-10B
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900080&assigned_name=MW-10B&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900080&assigned_name=MW-10B		

Map ID Direction Distance Elevation	Database	EDR ID Number
A5 **SE** **1/8 - 1/4 Mile** **Higher**	**CA WELLS**	**CAEDF0000054606**

Well ID:	T0605900080-MW-09	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-09
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900080&assigned_name=MW-09&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900080&assigned_name=MW-09		

A6 **SE** **1/8 - 1/4 Mile** **Higher**	**CA WELLS**	**CAEDF0000043617**

Well ID:	T0605900080-MW-04	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-04
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900080&assigned_name=MW-04&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900080&assigned_name=MW-04		

A7 **SE** **1/8 - 1/4 Mile** **Higher**	**CA WELLS**	**CAEDF0000105682**

Well ID:	T0605900080-MW-05	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-05
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900080&assigned_name=MW-05&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900080&assigned_name=MW-05		

A8 **SE** **1/8 - 1/4 Mile** **Higher**	**CA WELLS**	**CAEDF0000129509**

Well ID:	T0605900080-MW-06	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-06
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900080&assigned_name=MW-06&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900080&assigned_name=MW-06		

Map ID Direction Distance Elevation			Database	EDR ID Number
A9 **SE** **1/8 - 1/4 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	083002668T Not Reported Not Reported Not Reported 6.5 10/15/1996	**AQUIFLOW**	**68251**
A10 **SE** **1/4 - 1/2 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	083000267T W Not Reported Not Reported 4.97 01/28/1999	**AQUIFLOW**	**54950**

A11
SE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000043171**

Well ID:	T0605900845-W-11	Well Type:	MONITORING
Source:	EDF	Other Name:	W-11
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900845&assigned_name=W-11&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900845&assigned_name=W-11		

A12
SE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000070834**

Well ID:	T0605926780-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605926780&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605926780&assigned_name=MW-1		

A13
SE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000051113**

Well ID:	T0605900845-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900845&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900845&assigned_name=MW-1		

Map ID Direction Distance Elevation		Database	EDR ID Number
A14 **SE** **1/4 - 1/2 Mile** **Higher**		**CA WELLS**	**CAEDF0000035917**

Well ID:	T0605926780-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605926780&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605926780&assigned_name=MW-2		

A15 **SE** **1/4 - 1/2 Mile** **Higher**	Site ID:	083001071T	**AQUIFLOW**	**65114**
	Groundwater Flow:	WSW		
	Shallow Water Depth:	4.29		
	Deep Water Depth:	4.61		
	Average Water Depth:	Not Reported		
	Date:	11/23/1988		

A16 **SE** **1/4 - 1/2 Mile** **Higher**		**CA WELLS**	**CAEDF0000071452**

Well ID:	T0605926780-MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605926780&assigned_name=MW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605926780&assigned_name=MW-5		

A17 **SE** **1/4 - 1/2 Mile** **Higher**		**CA WELLS**	**CAEDF0000100062**

Well ID:	T0605926780-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605926780&assigned_name=MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605926780&assigned_name=MW-6		

A18 **SE** **1/4 - 1/2 Mile** **Higher**		**CA WELLS**	**CAEDF0000033141**

Well ID:	T0605926780-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3

GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605926780&assigned_name=MW-3&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605926780&assigned_name=MW-3

A19
SE **CA WELLS** **CAEDF0000030940**
1/4 - 1/2 Mile
Higher

Well ID:	T0605926780-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4

GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605926780&assigned_name=MW-4&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605926780&assigned_name=MW-4

A20
SE **CA WELLS** **CAEDF0000134660**
1/4 - 1/2 Mile
Higher

Well ID:	T0605900845-B-20	Well Type:	MONITORING
Source:	EDF	Other Name:	B-20

GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900845&assigned_name=B-20&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900845&assigned_name=B-20

A21
SE **CA WELLS** **CAEDF0000067705**
1/4 - 1/2 Mile
Higher

Well ID:	T0605900845-W-7	Well Type:	MONITORING
Source:	EDF	Other Name:	W-7

GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900845&assigned_name=W-7&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900845&assigned_name=W-7

A22
SE **CA WELLS** **CAEDF0000039401**
1/4 - 1/2 Mile
Higher

Well ID:	T0605900845-B-17	Well Type:	MONITORING
Source:	EDF	Other Name:	B-17

GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900845&assigned_name=B-17&store_num=

GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900845&assigned_name=B-17

B23
SE **CA WELLS** **CAEDF0000003388**
1/4 - 1/2 Mile
Higher

Well ID:	T0605900845-W-9	Well Type:	MONITORING
Source:	EDF	Other Name:	W-9
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900845&assigned_name=W-9&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900845&assigned_name=W-9		

A24
SE **CA WELLS** **CAEDF0000129460**
1/4 - 1/2 Mile
Higher

Well ID:	T0605900845-B-15	Well Type:	MONITORING
Source:	EDF	Other Name:	B-15
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900845&assigned_name=B-15&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900845&assigned_name=B-15		

A25
SE **CA WELLS** **CAEDF0000032762**
1/4 - 1/2 Mile
Higher

Well ID:	T0605900845-PZ-1	Well Type:	MONITORING
Source:	EDF	Other Name:	PZ-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900845&assigned_name=PZ-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900845&assigned_name=PZ-1		

A26
SE **CA WELLS** **CAEDF0000123098**
1/4 - 1/2 Mile
Higher

Well ID:	T0605900845-B-14	Well Type:	MONITORING
Source:	EDF	Other Name:	B-14
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900845&assigned_name=B-14&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900845&assigned_name=B-14		

Map ID Direction Distance Elevation	Database	EDR ID Number
A27 **SE** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CAEDF0000111597**

Well ID:	T0605900845-IW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	IW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900845&assigned_name=IW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900845&assigned_name=IW-1		

A28 **SE** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CAEDF0000039318**

Well ID:	T0605900845-PZ-2	Well Type:	MONITORING
Source:	EDF	Other Name:	PZ-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900845&assigned_name=PZ-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900845&assigned_name=PZ-2		

B29 **SSE** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CAEDF0000006308**

Well ID:	T0605900845-W-13	Well Type:	MONITORING
Source:	EDF	Other Name:	W-13
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900845&assigned_name=W-13&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900845&assigned_name=W-13		

B30 **SSE** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CAEDF0000034963**

Well ID:	T0605900845-W-12	Well Type:	MONITORING
Source:	EDF	Other Name:	W-12
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900845&assigned_name=W-12&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900845&assigned_name=W-12		

Map ID Direction Distance Elevation	Database	EDR ID Number
A31 **SE** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CAEDF0000051416**

Well ID:	T0605900845-B-18	Well Type:	MONITORING
Source:	EDF	Other Name:	B-18
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900845&assigned_name=B-18&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900845&assigned_name=B-18		

A32 **SE** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CAEDF0000138723**

Well ID:	T0605900845-W-5	Well Type:	MONITORING
Source:	EDF	Other Name:	W-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900845&assigned_name=W-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900845&assigned_name=W-5		

A33 **SE** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CAEDF0000058151**

Well ID:	T0605900845-W-4	Well Type:	MONITORING
Source:	EDF	Other Name:	W-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900845&assigned_name=W-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900845&assigned_name=W-4		

A34 **SE** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CAEDF0000014964**

Well ID:	T0605900845-W-8	Well Type:	MONITORING
Source:	EDF	Other Name:	W-8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900845&assigned_name=W-8&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900845&assigned_name=W-8		

Map ID Direction Distance Elevation	Database	EDR ID Number
B35 **SE** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CAEDF0000091133**

Well ID:	T0605900845-W-14	Well Type:	MONITORING
Source:	EDF	Other Name:	W-14
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900845&assigned_name=W-14&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900845&assigned_name=W-14		

A36 **SE** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CAEDF0000116218**

Well ID:	T0605900845-W-2	Well Type:	MONITORING
Source:	EDF	Other Name:	W-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900845&assigned_name=W-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900845&assigned_name=W-2		

B37 **SE** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CAEDF0000091135**

Well ID:	T0605900845-B-9	Well Type:	MONITORING
Source:	EDF	Other Name:	B-9
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900845&assigned_name=B-9&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900845&assigned_name=B-9		

C38 **SE** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CAEDF0000130828**

Well ID:	T0605900845-W-6	Well Type:	MONITORING
Source:	EDF	Other Name:	W-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900845&assigned_name=W-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900845&assigned_name=W-6		

Map ID Direction Distance Elevation	Database	EDR ID Number
B39 **SE** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CAEDF0000055505**

Well ID:	T0605900845-W-3	Well Type:	MONITORING
Source:	EDF	Other Name:	W-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900845&assigned_name=W-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900845&assigned_name=W-3		

B40 **SE** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CAEDF0000019112**

Well ID:	T0605900845-B-16	Well Type:	MONITORING
Source:	EDF	Other Name:	B-16
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900845&assigned_name=B-16&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900845&assigned_name=B-16		

B41 **SE** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CAEDF0000077129**

Well ID:	T0605900845-W-1	Well Type:	MONITORING
Source:	EDF	Other Name:	W-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900845&assigned_name=W-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900845&assigned_name=W-1		

C42 **ESE** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CAEDF0000094995**

Well ID:	SL0605985079-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0605985079&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0605985079&assigned_name=MW-1		

Map ID Direction Distance Elevation	Database	EDR ID Number
B43 **SE** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CAEDF0000081145**

Well ID:	T0605900845-W-10	Well Type:	MONITORING
Source:	EDF	Other Name:	W-10
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900845&assigned_name=W-10&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900845&assigned_name=W-10		

C44 **SE** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CAEDF0000115132**

Well ID:	SL0605985079-MW-9	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-9
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0605985079&assigned_name=MW-9&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0605985079&assigned_name=MW-9		

C45 **SE** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CAEDF0000139144**

Well ID:	SL0605985079-MW-8	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0605985079&assigned_name=MW-8&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0605985079&assigned_name=MW-8		

C46 **SE** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CAEDF0000011967**

Well ID:	SL0605985079-MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0605985079&assigned_name=MW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0605985079&assigned_name=MW-5		

Map ID Direction Distance Elevation	Database	EDR ID Number
C47 **SE** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CAEDF0000128494**

Well ID:	SL0605985079-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0605985079&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0605985079&assigned_name=MW-2		

C48 **SE** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CAEDF0000009687**

Well ID:	SL0605985079-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0605985079&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0605985079&assigned_name=MW-3		

C49 **SE** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CAEDF0000118114**

Well ID:	SL0605985079-MW-7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0605985079&assigned_name=MW-7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0605985079&assigned_name=MW-7		

C50 **SE** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CAEDF0000056567**

Well ID:	SL0605985079-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0605985079&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0605985079&assigned_name=MW-4		

Map ID Direction Distance Elevation	Database	EDR ID Number
C51 **SE** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CAEDF0000131675**

Well ID:	SL0605985079-MW-10	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-10
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0605985079&assigned_name=MW-10&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0605985079&assigned_name=MW-10		

C52 **SE** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CAEDF0000131102**

Well ID:	SL0605985079-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0605985079&assigned_name=MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0605985079&assigned_name=MW-6		

D53 **SE** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CAEDF0000133830**

Well ID:	SL0605985079-MW-15	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-15
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0605985079&assigned_name=MW-15&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0605985079&assigned_name=MW-15		

C54 **SE** **1/4 - 1/2 Mile** **Lower**	**CA WELLS**	**CAEDF0000042362**

Well ID:	SL0605985079-MW-11	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-11
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0605985079&assigned_name=MW-11&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0605985079&assigned_name=MW-11		

Map ID Direction Distance Elevation	Database	EDR ID Number
C55 **SE** **1/4 - 1/2 Mile** **Lower**	**CA WELLS**	**CAEDF0000040572**

Well ID:	SL0605985079-MW-12	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-12
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0605985079&assigned_name=MW-12&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0605985079&assigned_name=MW-12		

D56 **SE** **1/4 - 1/2 Mile** **Lower**	**CA WELLS**	**CAEDF0000080662**

Well ID:	SL0605985079-MW-13	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-13
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0605985079&assigned_name=MW-13&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0605985079&assigned_name=MW-13		

D57 **SE** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CAEDF0000123748**

Well ID:	SL0605985079-MW-17	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-17
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0605985079&assigned_name=MW-17&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0605985079&assigned_name=MW-17		

D58 **SE** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CAEDF0000074778**

Well ID:	SL0605985079-MW-16	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-16
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0605985079&assigned_name=MW-16&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0605985079&assigned_name=MW-16		

Map ID Direction Distance Elevation	Database	EDR ID Number
D59 **SE** **1/4 - 1/2 Mile** **Lower**	**CA WELLS**	**CAEDF0000097502**

Well ID:	SL0605985079-MW-14	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-14
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0605985079&assigned_name=MW-14&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0605985079&assigned_name=MW-14		

D60 **SE** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CAEDF0000109132**

Well ID:	SL0605985079-MW-18	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-18
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0605985079&assigned_name=MW-18&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0605985079&assigned_name=MW-18		

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61 **SW** **1/2 - 1 Mile** **Lower**	**FRDS PWS**	**CA3900721**

Epa region:	09	State:	CA
Pwsid:	CA3900721	Pwsname:	WOODBRIDGE MOBILE ESTATES
Cityserved:	Not Reported	Stateserved:	CA
Zipserved:	Not Reported	Fipscounty:	06077
Status:	Active	Retpopsrvd:	110
Pwssvcconn:	37	Psource longname:	Groundwater
Pwstype:	CWS	Owner:	Private
Contact:	C/O CHILA PROPERTIES	Contactorgname:	WOODBRIDGE MOBILE ESTATES
Contactphone:	Not Reported	Contactaddress1:	5392AMY AVE
Contactaddress2:	Not Reported	Contactcity:	GARDEN GROVE
Contactstate:	CA	Contactzip:	92845
Pwsactivitycode:	A		

PWS ID:	CA3900721	PWS name:	WOODBRIDGE MOBILE ESTATES
Address:	Not Reported	Care of:	Not Reported
City:	GARDEN GROVE	State:	CA
Zip:	92645	Owner:	WOODBRIDGE MOBILE ESTATES
Source code:	Ground water	Population:	110

PWS ID:	CA3900721	PWS type:	System Owner/Responsible Party
PWS name:	CHILA PROPERTIES CORP	PWS address:	Not Reported
PWS city:	GARDEN GROVE	PWS state:	CA
PWS zip:	92645	PWS name:	WOODBRIDGE MOBILE ESTATES
PWS type code:	C	Retail population served:	110
Contact:	C/O CHILA PROPERTIES	Contact address:	5392AMY AVE

Contact address:	GARDEN GROVE	Contact city:	CA
Contact state:	92	Contact zip:	Not Reported
Contact telephone:	Not Reported		

PWS ID:	CA3900721	Activity status:	Active
Date system activated:	7706	Date system deactivated:	Not Reported
Retail population:	00000110	System name:	WOODBRIDGE MOBILE ESTATES
System address:	CHILA PROPERTIES CORP	System address:	18645 N LOWER SACRAMENTO RD
System city:	WOODBRIDGE	System state:	CA
System zip:	95258		

Population served:	101 - 500 Persons	Treatment:	Untreated

Latitude:	334712	Longitude:	1180218

Violation id:	0000001	Orig code:	S
State:	CA	Violation Year:	2000
Contamination code:	3100	Contamination Name:	Coliform (TCR)
Violation code:	21	Violation name:	MCL, Acute (TCR)
Rule code:	110	Rule name:	TCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	02/01/2000
Cmp edt:	02/29/2000		

Violation id:	0000002	Orig code:	S
State:	CA	Violation Year:	2000
Contamination code:	3100	Contamination Name:	Coliform (TCR)
Violation code:	22	Violation name:	MCL, Monthly (TCR)
Rule code:	110	Rule name:	TCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	03/01/2000
Cmp edt:	03/31/2000		

Violation id:	0000003	Orig code:	S
State:	CA	Violation Year:	2000
Contamination code:	3100	Contamination Name:	Coliform (TCR)
Violation code:	22	Violation name:	MCL, Monthly (TCR)
Rule code:	110	Rule name:	TCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	08/01/2000
Cmp edt:	08/31/2000		

Violation id:	0000004	Orig code:	S
State:	CA	Violation Year:	2000
Contamination code:	3100	Contamination Name:	Coliform (TCR)
Violation code:	23	Violation name:	Monitoring, Routine Major (TCR)
Rule code:	110	Rule name:	TCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	09/01/2000
Cmp edt:	09/30/2000		

Violation id:	0100005	Orig code:	S
State:	CA	Violation Year:	2001
Contamination code:	3100	Contamination Name:	Coliform (TCR)
Violation code:	22	Violation name:	MCL, Monthly (TCR)
Rule code:	110	Rule name:	TCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	05/01/2001
Cmp edt:	05/31/2001		

Violation id:	0100006	Orig code:	S
State:	CA	Violation Year:	2001

Contamination code:	7000	Contamination Name:	Consumer Confidence Rule
Violation code:	71	Violation name:	CCR Complete Failure to Report
Rule code:	420	Rule name:	CCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	07/01/2001
Cmp edt:	Not Reported		

Violation id:	0200006	Orig code:	S
State:	CA	Violation Year:	2001
Contamination code:	7000	Contamination Name:	Consumer Confidence Rule
Violation code:	71	Violation name:	CCR Complete Failure to Report
Rule code:	420	Rule name:	CCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	07/01/2001
Cmp edt:	Not Reported		

Violation id:	0200007	Orig code:	S
State:	CA	Violation Year:	2000
Contamination code:	5000	Contamination Name:	Lead and Copper Rule
Violation code:	51	Violation name:	Initial Tap Sampling for Pb and Cu
Rule code:	350	Rule name:	LCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	04/01/2000
Cmp edt:	Not Reported		

Violation id:	0200008	Orig code:	S
State:	CA	Violation Year:	2000
Contamination code:	5000	Contamination Name:	Lead and Copper Rule
Violation code:	51	Violation name:	Initial Tap Sampling for Pb and Cu
Rule code:	350	Rule name:	LCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	04/01/2000
Cmp edt:	Not Reported		

Violation id:	0200009	Orig code:	S
State:	CA	Violation Year:	2002
Contamination code:	7000	Contamination Name:	Consumer Confidence Rule
Violation code:	71	Violation name:	CCR Complete Failure to Report
Rule code:	420	Rule name:	CCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	07/01/2002
Cmp edt:	Not Reported		

Violation id:	0500010	Orig code:	S
State:	CA	Violation Year:	2004
Contamination code:	3100	Contamination Name:	Coliform (TCR)
Violation code:	22	Violation name:	MCL, Monthly (TCR)
Rule code:	110	Rule name:	TCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	12/01/2004
Cmp edt:	12/31/2004		

Violation id:	0500011	Orig code:	S
State:	CA	Violation Year:	2005
Contamination code:	7000	Contamination Name:	Consumer Confidence Rule
Violation code:	71	Violation name:	CCR Complete Failure to Report
Rule code:	420	Rule name:	CCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	07/01/2005
Cmp edt:	Not Reported		

Violation id:	0700012	Orig code:	S

State:	CA	Violation Year:	2006
Contamination code:	7000	Contamination Name:	Consumer Confidence Rule
Violation code:	71	Violation name:	CCR Complete Failure to Report
Rule code:	420	Rule name:	CCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	07/01/2006
Cmp edt:	Not Reported		

Violation id:	0900013	Orig code:	S
State:	CA	Violation Year:	2008
Contamination code:	7000	Contamination Name:	Consumer Confidence Rule
Violation code:	71	Violation name:	CCR Complete Failure to Report
Rule code:	420	Rule name:	CCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	07/01/2008
Cmp edt:	Not Reported		

Violation id:	0900015	Orig code:	S
State:	CA	Violation Year:	2010
Contamination code:	3100	Contamination Name:	Coliform (TCR)
Violation code:	22	Violation name:	MCL, Monthly (TCR)
Rule code:	110	Rule name:	TCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	08/01/2010
Cmp edt:	08/31/2010		

Violation id:	1000014	Orig code:	S
State:	CA	Violation Year:	2009
Contamination code:	7000	Contamination Name:	Consumer Confidence Rule
Violation code:	71	Violation name:	CCR Complete Failure to Report
Rule code:	420	Rule name:	CCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	07/01/2009
Cmp edt:	Not Reported		

Violation id:	1100016	Orig code:	S
State:	CA	Violation Year:	2011
Contamination code:	7000	Contamination Name:	Consumer Confidence Rule
Violation code:	71	Violation name:	CCR Complete Failure to Report
Rule code:	420	Rule name:	CCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	07/01/2011
Cmp edt:	Not Reported		

Violation id:	95V0001	Orig code:	F
State:	CA	Violation Year:	1993
Contamination code:	5000	Contamination Name:	Lead and Copper Rule
Violation code:	51	Violation name:	Initial Tap Sampling for Pb and Cu
Rule code:	350	Rule name:	LCR
Violation measur:	0	Unit of measure:	Not Reported
State mcl:	0	Cmp bdt:	07/01/1993
Cmp edt:	04/04/2000		

PWS currently has or had major violation(s) or enforcement:Yes

Violation ID:	9300001	Violation source ID:	Not Reported
PWS telephone:	Not Reported	Contaminant:	COLIFORM (TCR)
Violation type:	Max Contaminant Level, Monthly (TCR)		
Violation start date:	071593	Violation end date:	073193
Violation period (months):	001	Violation awareness date:	083093
Major violator:	Not Reported	Maximum contaminant level:	Not Reported
Number of required samples:	Not Reported	Number of samples taken:	Not Reported

Analysis method:	Not Reported	Analysis result:	Not Reported
Violation ID:	0000001	Orig Code:	S
Enforcemnt FY:	2000	Enforcement Action:	02/10/2000
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	0000002	Orig Code:	S
Enforcemnt FY:	2000	Enforcement Action:	02/10/2000
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	0000002	Orig Code:	S
Enforcemnt FY:	2000	Enforcement Action:	03/01/2000
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	0000003	Orig Code:	S
Enforcemnt FY:	2000	Enforcement Action:	08/01/2000
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	0000004	Orig Code:	S
Enforcemnt FY:	2000	Enforcement Action:	09/01/2000
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	0100005	Orig Code:	S
Enforcemnt FY:	2001	Enforcement Action:	05/01/2001
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	0100006	Orig Code:	S
Enforcemnt FY:	2001	Enforcement Action:	07/01/2001
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	0200007	Orig Code:	S
Enforcemnt FY:	2002	Enforcement Action:	01/11/2002
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		
Violation ID:	0200008	Orig Code:	S
Enforcemnt FY:	2002	Enforcement Action:	03/31/2002
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	0200008	Orig Code:	S
Enforcemnt FY:	2002	Enforcement Action:	01/11/2002
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		
Violation ID:	0200009	Orig Code:	S
Enforcemnt FY:	2002	Enforcement Action:	07/01/2002
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	0500010	Orig Code:	S
Enforcemnt FY:	2005	Enforcement Action:	12/01/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	0500011	Orig Code:	S
Enforcemnt FY:	2005	Enforcement Action:	07/01/2005
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	0700012	Orig Code:	S
Enforcemnt FY:	2007	Enforcement Action:	07/01/2007
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	0900013	Orig Code:	S
Enforcemnt FY:	2009	Enforcement Action:	07/01/2009

Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	0900015	Orig Code:	S
Enforcemnt FY:	2010	Enforcement Action:	08/01/2010
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	0900015	Orig Code:	S
Enforcemnt FY:	2010	Enforcement Action:	08/01/2010
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	1000014	Orig Code:	S
Enforcemnt FY:	2010	Enforcement Action:	07/01/2010
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	1100016	Orig Code:	S
Enforcemnt FY:	2011	Enforcement Action:	07/01/2011
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		
Violation ID:	1100016	Orig Code:	S
Enforcemnt FY:	2011	Enforcement Action:	07/01/2011
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	95V0001	Orig Code:	F
Enforcemnt FY:	2000	Enforcement Action:	04/04/2000
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
PWS name:	WOODBRIDGE MOBILE ESTATES	Population served:	110
PWS type code:	C	Violation ID:	0000001
Contaminant:	COLIFORM (TCR)	Violation type:	Max Contaminant Level, Acute (TCR)
Compliance start date:	2/1/2000 0:00:00	Compliance end date:	2/29/2000 0:00:00
Enforcement date:	2/10/2000 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		
PWS name:	WOODBRIDGE MOBILE ESTATES	Population served:	110
PWS type code:	C	Violation ID:	0000002
Contaminant:	COLIFORM (TCR)		
Violation type:	Max Contaminant Level, Monthly (TCR)		
Compliance start date:	3/1/2000 0:00:00	Compliance end date:	3/31/2000 0:00:00
Enforcement date:	2/10/2000 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		
PWS name:	WOODBRIDGE MOBILE ESTATES	Population served:	110
PWS type code:	C	Violation ID:	0000002
Contaminant:	COLIFORM (TCR)		
Violation type:	Max Contaminant Level, Monthly (TCR)		
Compliance start date:	3/1/2000 0:00:00	Compliance end date:	3/31/2000 0:00:00
Enforcement date:	3/1/2000 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		
PWS name:	WOODBRIDGE MOBILE ESTATES	Population served:	110
PWS type code:	C	Violation ID:	0000003
Contaminant:	COLIFORM (TCR)		
Violation type:	Max Contaminant Level, Monthly (TCR)		
Compliance start date:	8/1/2000 0:00:00	Compliance end date:	8/31/2000 0:00:00
Enforcement date:	8/1/2000 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		
PWS name:	WOODBRIDGE MOBILE ESTATES	Population served:	110
PWS type code:	C	Violation ID:	0000004
Contaminant:	COLIFORM (TCR)	Violation type:	Monitoring, Routine Major (TCR)
Compliance start date:	9/1/2000 0:00:00	Compliance end date:	9/30/2000 0:00:00

Enforcement date:	9/1/2000 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	WOODBRIDGE MOBILE ESTATES	Population served:	110
PWS type code:	C	Violation ID:	0100005
Contaminant:	COLIFORM (TCR)		
Violation type:	Max Contaminant Level, Monthly (TCR)		
Compliance start date:	5/1/2001 0:00:00	Compliance end date:	5/31/2001 0:00:00
Enforcement date:	5/1/2001 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	WOODBRIDGE MOBILE ESTATES	Population served:	110
PWS type code:	C	Violation ID:	0100006
Contaminant:	7000	Violation type:	71
Compliance start date:	7/1/2001 0:00:00	Compliance end date:	7/1/2001 0:00:00
Enforcement date:	7/1/2001 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	WOODBRIDGE MOBILE ESTATES	Population served:	110
PWS type code:	C	Violation ID:	0200008
Contaminant:	LEAD & COPPER RULE	Violation type:	Initial Tap Sampling for Pb and Cu
Compliance start date:	4/1/2000 0:00:00	Compliance end date:	3/31/2002 0:00:00
Enforcement date:	1/11/2002 0:00:00	Enforcement action:	State Violation/Reminder Notice
Violation measurement:	Not Reported		

PWS name:	WOODBRIDGE MOBILE ESTATES	Population served:	110
PWS type code:	C	Violation ID:	0200008
Contaminant:	LEAD & COPPER RULE	Violation type:	Initial Tap Sampling for Pb and Cu
Compliance start date:	4/1/2000 0:00:00	Compliance end date:	3/31/2002 0:00:00
Enforcement date:	3/31/2002 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	WOODBRIDGE MOBILE ESTATES	Population served:	110
PWS type code:	C	Violation ID:	0200009
Contaminant:	7000	Violation type:	71
Compliance start date:	7/1/2002 0:00:00	Compliance end date:	7/1/2002 0:00:00
Enforcement date:	7/1/2002 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	WOODBRIDGE MOBILE ESTATES	Population served:	110
PWS type code:	C	Violation ID:	0500010
Contaminant:	COLIFORM (TCR)		
Violation type:	Max Contaminant Level, Monthly (TCR)		
Compliance start date:	12/1/2004 0:00:00	Compliance end date:	12/31/2004 0:00:00
Enforcement date:	12/1/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	WOODBRIDGE MOBILE ESTATES	Population served:	110
PWS type code:	C	Violation ID:	0500011
Contaminant:	7000	Violation type:	71
Compliance start date:	7/1/2005 0:00:00	Compliance end date:	7/1/2005 0:00:00
Enforcement date:	7/1/2005 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	WOODBRIDGE MOBILE ESTATES	Population served:	110
PWS type code:	C	Violation ID:	95V0001
Contaminant:	LEAD & COPPER RULE	Violation type:	Initial Tap Sampling for Pb and Cu
Compliance start date:	7/1/1993 0:00:00	Compliance end date:	4/4/2000 0:00:00
Enforcement date:	4/4/2000 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	0		

Map ID Direction Distance Elevation	Database	EDR ID Number
E62 **ENE** **1/2 - 1 Mile** **Higher**	**FED USGS**	**USGS40000138224**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	004S011W27L002S	Type:	Well
Description:	NAWQA DATA ENTRY COM + VER 07/05/2000 SNHAMLIN		
HUC:	18070203	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	California Coastal Basin aquifers
Formation Type:	Quaternary Alluvium	Aquifer Type:	Unconfined single aquifer
Construction Date:	19991207	Well Depth:	18.5
Well Depth Units:	ft	Well Hole Depth:	18.5
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1	Level reading date:	2000-06-19
Feet below surface:	6.28	Feet to sea level:	Not Reported
Note:	Not Reported		

E63 **ENE** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAUSGSN00019106**

Well ID:	USGS-334740118012701	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-334740118012701	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334740118012701&store_num=		
GeoTracker Data:	Not Reported		

F64 **SSE** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAEDF0000075335**

Well ID:	T0605967457-MW6A	Well Type:	MONITORING
Source:	EDF	Other Name:	MW6A
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605967457&assigned_name=MW6A&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605967457&assigned_name=MW6A		

F65 **SSE** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAEDF0000008121**

Well ID:	T0605967457-MW6B	Well Type:	MONITORING
Source:	EDF	Other Name:	MW6B
GAMA PFAS Testing:	Not Reported		

Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605967457&assigned_name=MW6B&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605967457&assigned_name=MW6B

F66
SSE **CA WELLS** **CAEDF0000132223**
1/2 - 1 Mile
Lower

Well ID:	T0605967457-MW7A	Well Type:	MONITORING
Source:	EDF	Other Name:	MW7A
GAMA PFAS Testing:	Not Reported		

Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605967457&assigned_name=MW7A&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605967457&assigned_name=MW7A

F67
SSE **CA WELLS** **CAEDF0000065713**
1/2 - 1 Mile
Lower

Well ID:	T0605967457-MW7B	Well Type:	MONITORING
Source:	EDF	Other Name:	MW7B
GAMA PFAS Testing:	Not Reported		

Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605967457&assigned_name=MW7B&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605967457&assigned_name=MW7B

F68
South **CA WELLS** **CAEDF0000120543**
1/2 - 1 Mile
Lower

Well ID:	T0605967457-C4D	Well Type:	MONITORING
Source:	EDF	Other Name:	C4D
GAMA PFAS Testing:	Not Reported		

Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605967457&assigned_name=C4D&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605967457&assigned_name=C4D

F69
South **CA WELLS** **CAEDF0000122275**
1/2 - 1 Mile
Lower

Well ID:	T0605967457-C4M	Well Type:	MONITORING
Source:	EDF	Other Name:	C4M
GAMA PFAS Testing:	Not Reported		

Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605967457&assigned_name=C4M&store_num=

GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605967457&assigned_name=C4M

F70
South
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000142806**

Well ID:	T0605967457-C4S	Well Type:	MONITORING
Source:	EDF	Other Name:	C4S
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605967457&assigned_name=C4S&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605967457&assigned_name=C4S		

F71
SSE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000071934**

Well ID:	T0605900775-MW-20	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-20
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900775&assigned_name=MW-20&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900775&assigned_name=MW-20		

F72
South
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000113786**

Well ID:	T0605967457-C7M	Well Type:	MONITORING
Source:	EDF	Other Name:	C7M
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605967457&assigned_name=C7M&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605967457&assigned_name=C7M		

F73
South
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000048957**

Well ID:	T0605967457-C7D	Well Type:	MONITORING
Source:	EDF	Other Name:	C7D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605967457&assigned_name=C7D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605967457&assigned_name=C7D		

Map ID Direction Distance Elevation	Database	EDR ID Number
F74 **South** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAEDF0000016558**

Well ID:	T0605967457-C7DD	Well Type:	MONITORING
Source:	EDF	Other Name:	C7DD
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605967457&assigned_name=C7DD&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605967457&assigned_name=C7DD		

F75 **SSE** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000011683**

Well ID:	T0605900775-MW-23	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-23
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900775&assigned_name=MW-23&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900775&assigned_name=MW-23		

F76 **South** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000014321**

Well ID:	T0605967457-C5D	Well Type:	MONITORING
Source:	EDF	Other Name:	C5D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605967457&assigned_name=C5D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605967457&assigned_name=C5D		

F77 **South** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000050119**

Well ID:	T0605967457-MW14	Well Type:	MONITORING
Source:	EDF	Other Name:	MW14
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605967457&assigned_name=MW14&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605967457&assigned_name=MW14		

Map ID Direction Distance Elevation	Database	EDR ID Number
F78 **South** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000052035**

Well ID:	T0605967457-C5DD	Well Type:	MONITORING
Source:	EDF	Other Name:	C5DD
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605967457&assigned_name=C5DD&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605967457&assigned_name=C5DD		

F79 **SSE** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000011105**

Well ID:	T0605967457-MW13	Well Type:	MONITORING
Source:	EDF	Other Name:	MW13
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605967457&assigned_name=MW13&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605967457&assigned_name=MW13		

F80 **SSE** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000124306**

Well ID:	T0605900775-C-3D	Well Type:	MONITORING
Source:	EDF	Other Name:	C-3D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900775&assigned_name=C-3D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900775&assigned_name=C-3D		

F81 **SSE** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000085377**

Well ID:	T0605900775-C-3M	Well Type:	MONITORING
Source:	EDF	Other Name:	C-3M
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900775&assigned_name=C-3M&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900775&assigned_name=C-3M		

Map ID Direction Distance Elevation	Database	EDR ID Number
F82 **SSE** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000037869**

Well ID:	T0605900775-C-3S	Well Type:	MONITORING
Source:	EDF	Other Name:	C-3S
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900775&assigned_name=C-3S&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900775&assigned_name=C-3S		

F83 **SSE** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000120195**

Well ID:	T0605900775-C-2S	Well Type:	MONITORING
Source:	EDF	Other Name:	C-2S
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900775&assigned_name=C-2S&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900775&assigned_name=C-2S		

F84 **SSE** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000066730**

Well ID:	T0605900775-C-2D	Well Type:	MONITORING
Source:	EDF	Other Name:	C-2D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900775&assigned_name=C-2D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900775&assigned_name=C-2D		

F85 **SSE** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000063986**

Well ID:	T0605900775-C-2M	Well Type:	MONITORING
Source:	EDF	Other Name:	C-2M
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900775&assigned_name=C-2M&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900775&assigned_name=C-2M		

Map ID Direction Distance Elevation	Database	EDR ID Number
F86 **SSE** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000113020**

Well ID:	T0605900775-MW-12	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-12
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900775&assigned_name=MW-12&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900775&assigned_name=MW-12		

F87 **SSE** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000052410**

Well ID:	T0605900775-MW-22	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-22
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900775&assigned_name=MW-22&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900775&assigned_name=MW-22		

F88 **South** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAEDF0000051384**

Well ID:	T0605967457-C6M	Well Type:	MONITORING
Source:	EDF	Other Name:	C6M
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605967457&assigned_name=C6M&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605967457&assigned_name=C6M		

F89 **South** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAEDF0000046378**

Well ID:	T0605967457-C6D	Well Type:	MONITORING
Source:	EDF	Other Name:	C6D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605967457&assigned_name=C6D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605967457&assigned_name=C6D		

Map ID Direction Distance Elevation	Database	EDR ID Number
F90 **South** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAEDF0000009203**

Well ID:	T0605967457-C6DD	Well Type:	MONITORING
Source:	EDF	Other Name:	C6DD
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605967457&assigned_name=C6DD&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605967457&assigned_name=C6DD		

G91 **SSE** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000118440**

Well ID:	T0605900775-DPE1	Well Type:	MONITORING
Source:	EDF	Other Name:	DPE1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900775&assigned_name=DPE1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900775&assigned_name=DPE1		

G92 **SSE** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000080037**

Well ID:	T0605967457-DPE1	Well Type:	MONITORING
Source:	EDF	Other Name:	DPE1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605967457&assigned_name=DPE1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605967457&assigned_name=DPE1		

G93 **SSE** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000054907**

Well ID:	T0605967457-IW01M	Well Type:	MONITORING
Source:	EDF	Other Name:	IW01M
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605967457&assigned_name=IW01M&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605967457&assigned_name=IW01M		

Map ID Direction Distance Elevation	Database	EDR ID Number
G94 **SSE** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000041975**

Well ID:	T0605900775-C-1S	Well Type:	MONITORING
Source:	EDF	Other Name:	C-1S
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900775&assigned_name=C-1S&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900775&assigned_name=C-1S		

G95 **SSE** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000037933**

Well ID:	T0605900775-C-1M	Well Type:	MONITORING
Source:	EDF	Other Name:	C-1M
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900775&assigned_name=C-1M&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900775&assigned_name=C-1M		

G96 **SSE** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000127227**

Well ID:	T0605967457-IW01D	Well Type:	MONITORING
Source:	EDF	Other Name:	IW01D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605967457&assigned_name=IW01D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605967457&assigned_name=IW01D		

G97 **SSE** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000113045**

Well ID:	T0605900775-MW-9	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-9
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900775&assigned_name=MW-9&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900775&assigned_name=MW-9		

Map ID Direction Distance Elevation	Database	EDR ID Number
G98 **SSE** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000084902**

Well ID:	T0605900775-C-1D	Well Type:	MONITORING
Source:	EDF	Other Name:	C-1D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900775&assigned_name=C-1D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900775&assigned_name=C-1D		

G99 **SSE** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000059357**

Well ID:	T0605900775-MW-18	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-18
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900775&assigned_name=MW-18&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900775&assigned_name=MW-18		

G100 **SSE** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000062156**

Well ID:	T0605967457-DPE4	Well Type:	MONITORING
Source:	EDF	Other Name:	DPE4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605967457&assigned_name=DPE4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605967457&assigned_name=DPE4		

G101 **SSE** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000051022**

Well ID:	T0605967457-DPE2	Well Type:	MONITORING
Source:	EDF	Other Name:	DPE2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605967457&assigned_name=DPE2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605967457&assigned_name=DPE2		

Map ID Direction Distance Elevation	Database	EDR ID Number
G102 **SSE** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000070381**

Well ID:	T0605900775-DPE2	Well Type:	MONITORING
Source:	EDF	Other Name:	DPE2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900775&assigned_name=DPE2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900775&assigned_name=DPE2		

G103 **SSE** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000059842**

Well ID:	T0605900775-DPE4	Well Type:	MONITORING
Source:	EDF	Other Name:	DPE4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900775&assigned_name=DPE4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900775&assigned_name=DPE4		

G104 **SSE** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000121837**

Well ID:	T0605900775-DPE3	Well Type:	MONITORING
Source:	EDF	Other Name:	DPE3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900775&assigned_name=DPE3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900775&assigned_name=DPE3		

G105 **SSE** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000100180**

Well ID:	T0605967457-DPE3	Well Type:	MONITORING
Source:	EDF	Other Name:	DPE3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605967457&assigned_name=DPE3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605967457&assigned_name=DPE3		

Map ID Direction Distance Elevation	Database	EDR ID Number
G106 **SSE** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000120248**

Well ID:	T0605900775-MW-24	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-24
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900775&assigned_name=MW-24&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900775&assigned_name=MW-24		

G107 **SSE** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000134927**

Well ID:	T0605900775-MW-17	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-17
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900775&assigned_name=MW-17&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900775&assigned_name=MW-17		

G108 **SSE** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000072179**

Well ID:	T0605900775-DPE5	Well Type:	MONITORING
Source:	EDF	Other Name:	DPE5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900775&assigned_name=DPE5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900775&assigned_name=DPE5		

G109 **SSE** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000115542**

Well ID:	T0605967457-DPE5	Well Type:	MONITORING
Source:	EDF	Other Name:	DPE5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605967457&assigned_name=DPE5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605967457&assigned_name=DPE5		

Map ID Direction Distance Elevation	Database	EDR ID Number
110 **South** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000091906**

Well ID:	T0605900629-MW-01	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-01
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900629&assigned_name=MW-01&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900629&assigned_name=MW-01		

H111 **SSW** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CADDW0000019668**

Well ID:	3010062-006	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 016-STANDBY SINCE 12/04/2015		
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=3010062-006&store_num=		
GeoTracker Data:	Not Reported		

H112 **SSW** **1/2 - 1 Mile** **Lower**	**FED USGS**	**USGS40000138121**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	004S011W33L001S	Type:	Well
Description:	Not Reported	HUC:	Not Reported
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19640609	Well Depth:	864
Well Depth Units:	ft	Well Hole Depth:	1000
Well Hole Depth Units:	ft		

H113 **SSW** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAUSGSN00002323**

Well ID:	USGS-334652118021401	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-334652118021401	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334652118021401&store_num=		
GeoTracker Data:	Not Reported		

Map ID Direction Distance Elevation		Database	EDR ID Number
H114 **SSW** **1/2 - 1 Mile** **Lower**		**CA WELLS**	**CALLNL000001380**

Well ID:	100700	Well Type:	MUNICIPAL
Source:	Lawrence Livermore National Laboratory		
Other Name:	04S/11W-33L01 S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	Not Reported		
GeoTracker Data:	Not Reported		

Chemical:	Tritium (Hydrogen 3)	Results:	0
Units:	pCi/L	Date:	11/01/2001
Chemical:	Xenon	Results:	.0000000111382
Units:	cm3STP/g	Date:	05/09/2001
Chemical:	Argon	Results:	.000370516
Units:	cm3STP/g	Date:	05/09/2001
Chemical:	Krypton	Results:	.0000000818653
Units:	cm3STP/g	Date:	05/09/2001
Chemical:	Helium-4	Results:	.0000000534649
Units:	cm3STP/g	Date:	05/09/2001
Chemical:	Helium-3/Helium-4	Results:	.00000137526
Units:	atom ratio	Date:	05/09/2001
Chemical:	Neon	Results:	.000000245799
Units:	cm3STP/g	Date:	05/09/2001

I115 **South** **1/2 - 1 Mile** **Lower**		**CA WELLS**	**CAEDF0000132648**

Well ID:	T0605901445-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901445&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901445&assigned_name=MW-4		

Map ID Direction Distance Elevation	Database	EDR ID Number
I116 **South** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAEDF0000077352**

Well ID:	T0605901445-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901445&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901445&assigned_name=MW-1		

H117 **SSW** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAUSGSN00011871**

Well ID:	USGS-334652118021501	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-334652118021501	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334652118021501&store_num=		
GeoTracker Data:	Not Reported		

H118 **SSW** **1/2 - 1 Mile** **Lower**	**FED USGS**	**USGS40000138122**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	004S011W33F001S	Type:	Well
Description:	NAWQA DATA ENTRY COM.+ VER.9-25-2000 SNHAMLIN		
HUC:	18070203	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	California Coastal Basin aquifers
Formation Type:	Quaternary Alluvium	Aquifer Type:	Unconfined single aquifer
Construction Date:	19991117	Well Depth:	23.5
Well Depth Units:	ft	Well Hole Depth:	23.5
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1	Level reading date:	2000-08-01
Feet below surface:	6.46	Feet to sea level:	Not Reported
Note:	Not Reported		

I119 **South** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAEDF0000092748**

Well ID:	T0605901445-MW-5B	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5B
GAMA PFAS Testing:	Not Reported		

Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901445&assigned_name=MW-5B&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901445&assigned_name=MW-5B

I120
South
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000119208**

Well ID:	T0605901445-MW-5A	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5A
GAMA PFAS Testing:	Not Reported		

Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901445&assigned_name=MW-5A&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901445&assigned_name=MW-5A

I121
South
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000036800**

Well ID:	T0605901445-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		

Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901445&assigned_name=MW-6&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901445&assigned_name=MW-6

I122
South
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000107175**

Well ID:	T0605901445-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		

Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901445&assigned_name=MW-2&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901445&assigned_name=MW-2

I123
South
1/2 - 1 Mile
Lower

AQUIFLOW **66498**

Site ID:	083001939T
Groundwater Flow:	Not Reported
Shallow Water Depth:	Not Reported
Deep Water Depth:	Not Reported
Average Water Depth:	9 ft
Date:	12/10/1991

Map ID Direction Distance Elevation	Database	EDR ID Number
I124 **South** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAEDF0000120415**

Well ID:	T0605901445-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901445&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901445&assigned_name=MW-3		

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125 **SSW** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CADWR0000009073**

Well ID:	04S11W33L001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S11W33L001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S11W33L001S&store_num=		
GeoTracker Data:	Not Reported		

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126 **West** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CADWR9000005545**

State Well #:	04S11W28N001S	Station ID:	39310
Well Name:	Not Reported	Basin Name:	Coastal Plain Of Orange County
Well Use:	Unknown	Well Type:	Unknown
Well Depth:	0	Well Completion Rpt #:	Not Reported

J127 **NNE** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CADWR9000005602**

State Well #:	04S11W27D001S	Station ID:	28324
Well Name:	Not Reported	Basin Name:	Coastal Plain Of Orange County
Well Use:	Unknown	Well Type:	Unknown
Well Depth:	0	Well Completion Rpt #:	Not Reported

J128 **NNE** **1/2 - 1 Mile** **Higher**	**FED USGS**	**USGS40000138297**

Organization ID:	USGS-CA
Organization Name:	USGS California Water Science Center

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Monitor Location:	004S011W27D001S	Type:	Well
Description:	Not Reported	HUC:	18070201
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	900
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	85	Level reading date:	1986-09-02
Feet below surface:	65.33	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	1986-05-06	Feet below surface:	52.91
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-02-20	Feet below surface:	46.94
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-11-05	Feet below surface:	59.84
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-08-17	Feet below surface:	61.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-05-07	Feet below surface:	46.44
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-04-15	Feet below surface:	38.06
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-02-14	Feet below surface:	34.88
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-11-01	Feet below surface:	57.21
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-10-09	Feet below surface:	56.71
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-09-06	Feet below surface:	61.47
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-08-07	Feet below surface:	60.86
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-07-03	Feet below surface:	56.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-06-04	Feet below surface:	51.54
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-05-07	Feet below surface:	36.76
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-04-02	Feet below surface:	33.17
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-03-07	Feet below surface:	30.31
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1984-02-16	Feet below surface:	27.74
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-11-03	Feet below surface:	46.89
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-10-13	Feet below surface:	48.31
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-09-01	Feet below surface:	58.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-08-02	Feet below surface:	57.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-07-05	Feet below surface:	55.27
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-06-09	Feet below surface:	50.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-05-12	Feet below surface:	42.34
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-05-03	Feet below surface:	41.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-02-10	Feet below surface:	41.23
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-11-04	Feet below surface:	56.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-07-28	Feet below surface:	59.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-04-29	Feet below surface:	45.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-01-29	Feet below surface:	38.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-11-03	Feet below surface:	53.54
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-07-28	Feet below surface:	57.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-05-07	Feet below surface:	41.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-02-05	Feet below surface:	40.76
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-10-28	Feet below surface:	53.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-08-26	Feet below surface:	54.03
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-06-10	Feet below surface:	48.08
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1980-02-07	Feet below surface:	46.37
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-11-15	Feet below surface:	54.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-08-01	Feet below surface:	49.32
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-05-02	Feet below surface:	48.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-02-05	Feet below surface:	47.63
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-11-03	Feet below surface:	60.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-09-25	Feet below surface:	62.41
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-01-13	Feet below surface:	60.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-10-28	Feet below surface:	65.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-05-05	Feet below surface:	62.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-03-09	Feet below surface:	51.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-01-06	Feet below surface:	58.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-10-31	Feet below surface:	66.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-08-29	Feet below surface:	65.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-06-26	Feet below surface:	65.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-03-18	Feet below surface:	46.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-01-03	Feet below surface:	50.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-10-30	Feet below surface:	57.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-08-29	Feet below surface:	75.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-07-02	Feet below surface:	62.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-04-30	Feet below surface:	47.20
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1974-03-18	Feet below surface:	50.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-01-23	Feet below surface:	47.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-10-31	Feet below surface:	60.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-09-06	Feet below surface:	61.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-07-03	Feet below surface:	61.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-05-09	Feet below surface:	47.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-03-01	Feet below surface:	48.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-01-04	Feet below surface:	48.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-10-31	Feet below surface:	54.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-09-11	Feet below surface:	58.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-06-29	Feet below surface:	54.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-04-28	Feet below surface:	45.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-02-28	Feet below surface:	40.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-11-01	Feet below surface:	43.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-08-30	Feet below surface:	43.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-07-07	Feet below surface:	41.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-06-07	Feet below surface:	42.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-04-29	Feet below surface:	36.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-04-12	Feet below surface:	36.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-03-02	Feet below surface:	31.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-12-09	Feet below surface:	43.20
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1970-10-29	Feet below surface:	44.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-10-01	Feet below surface:	43.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-06-29	Feet below surface:	41.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-05-29	Feet below surface:	35.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-04-28	Feet below surface:	27.70
Feet to sea level:	Not Reported	Note:	Not Reported

K129
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000099283**

Well ID:	T0605969865-A44-1B	Well Type:	MONITORING
Source:	EDF	Other Name:	A44-1B
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605969865&assigned_name=A44-1B&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605969865&assigned_name=A44-1B		

K130
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000103681**

Well ID:	T0605969865-A44-1A	Well Type:	MONITORING
Source:	EDF	Other Name:	A44-1A
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605969865&assigned_name=A44-1A&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605969865&assigned_name=A44-1A		

L131
NE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000130725**

Well ID:	T0605994617-MW1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605994617&assigned_name=MW1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605994617&assigned_name=MW1		

Map ID Direction Distance Elevation		Database	EDR ID Number
L132 **NE** **1/2 - 1 Mile** **Higher**		**CA WELLS**	**CAEDF0000020892**

Well ID:	T0605994617-MW3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605994617&assigned_name=MW3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605994617&assigned_name=MW3		

L133 **NE** **1/2 - 1 Mile** **Higher**		**CA WELLS**	**CAEDF0000066282**

Well ID:	T0605994617-MW2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605994617&assigned_name=MW2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605994617&assigned_name=MW2		

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134 **NNW** **1/2 - 1 Mile** **Higher**	Site ID:	083000585T	**AQUIFLOW**	**68297**
	Groundwater Flow:	Varies		
	Shallow Water Depth:	4.75		
	Deep Water Depth:	7.13		
	Average Water Depth:	Not Reported		
	Date:	03/31/1999		

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135 **SSW** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**5275**

Seq:	5275	Prim sta c:	04S/11W-33L01 S
Frds no:	3010062006	County:	30
District:	08	User id:	TEE
System no:	3010062	Water type:	G
Source nam:	WELL 016 - TREATED	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	334642.3	Longitude:	1180212.4
Precision:	2	Status:	AT
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	3010062	System nam:	City Of Garden Grove
Hqname:	GARDEN GROVE WATER DEPT	Address:	13802 NEWHOPE
City:	GARDEN GROVE	State:	CA
Zip:	92642	Zip ext:	Not Reported
Pop serv:	151807	Connection:	33251

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Area serve: GARDEN GROVE

Sample date:	21-FEB-18	Finding:	545.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	21-FEB-18	Finding:	8.
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	21-FEB-18	Finding:	173.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	21-FEB-18	Finding:	173.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	21-FEB-18	Finding:	0.7
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	21-FEB-18	Finding:	204.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	21-FEB-18	Finding:	63.1
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	21-FEB-18	Finding:	11.2
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	21-FEB-18	Finding:	37.8
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	21-FEB-18	Finding:	2.6
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	21-FEB-18	Finding:	28.6
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	21-FEB-18	Finding:	61.6
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	21-FEB-18	Finding:	0.46
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	21-FEB-18	Finding:	2.8
Chemical:	ARSENIC	Report units:	UG/L
Dlr:	2.		
Sample date:	21-FEB-18	Finding:	182.
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		

Sample date:	21-FEB-18	Finding:	36.6
Chemical:	MANGANESE	Report units:	UG/L
Dlr:	20.		
Sample date:	21-FEB-18	Finding:	314.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	21-FEB-18	Finding:	0.9
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	21-FEB-18	Finding:	0.71
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	21-FEB-18	Finding:	6.71
Chemical:	GROSS ALPHA	Report units:	PCI/L
Dlr:	3.		
Sample date:	21-FEB-18	Finding:	2.15
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	21-FEB-18	Finding:	3.9e-002
Chemical:	RADIUM 226	Report units:	PCI/L
Dlr:	1.		
Sample date:	21-FEB-18	Finding:	7.7e-002
Chemical:	RADIUM 226 COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	21-FEB-18	Finding:	0.691
Chemical:	RADIUM 228 COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	21-FEB-18	Finding:	5.25
Chemical:	URANIUM (PCI/L)	Report units:	PCI/L
Dlr:	1.		
Sample date:	21-FEB-18	Finding:	1.6
Chemical:	URANIUM COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	21-FEB-18	Finding:	1.28
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	21-FEB-18	Finding:	0.342
Chemical:	URANIUM MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	21-FEB-18	Finding:	0.304
Chemical:	RADIUM 226 MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	21-FEB-18	Finding:	0.383
Chemical:	RADIUM 228 MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	21-FEB-18	Finding:	544.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US

Dlr:	0.		
Sample date:	21-FEB-18	Finding:	8.
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	21-FEB-18	Finding:	174.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	21-FEB-18	Finding:	174.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	21-FEB-18	Finding:	0.7
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	21-FEB-18	Finding:	202.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	21-FEB-18	Finding:	62.5
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	21-FEB-18	Finding:	11.
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	21-FEB-18	Finding:	37.6
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	21-FEB-18	Finding:	2.7
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	21-FEB-18	Finding:	28.3
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	21-FEB-18	Finding:	61.2
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	21-FEB-18	Finding:	0.46
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	21-FEB-18	Finding:	2.7
Chemical:	ARSENIC	Report units:	UG/L
Dlr:	2.		
Sample date:	21-FEB-18	Finding:	152.
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	21-FEB-18	Finding:	34.4
Chemical:	MANGANESE	Report units:	UG/L
Dlr:	20.		

Sample date:	21-FEB-18	Finding:	360.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	21-FEB-18	Finding:	0.9
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	21-FEB-18	Finding:	0.7
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	01-APR-15	Finding:	2.14
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	01-APR-15	Finding:	480.
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	02-APR-14	Finding:	217.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	02-APR-14	Finding:	203.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	02-APR-14	Finding:	62.5
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	02-APR-14	Finding:	11.3
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	02-APR-14	Finding:	35.5
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	02-APR-14	Finding:	2.7
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	02-APR-14	Finding:	27.6
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	02-APR-14	Finding:	57.6
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	02-APR-14	Finding:	0.47
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	02-APR-14	Finding:	3.2
Chemical:	ARSENIC	Report units:	UG/L
Dlr:	2.		
Sample date:	02-APR-14	Finding:	116.
Chemical:	IRON	Report units:	UG/L

Dlr:	100.		
Sample date:	02-APR-14	Finding:	23.
Chemical:	MANGANESE	Report units:	UG/L
Dlr:	20.		
Sample date:	02-APR-14	Finding:	51.9
Chemical:	ALUMINUM	Report units:	UG/L
Dlr:	50.		
Sample date:	02-APR-14	Finding:	330.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	02-APR-14	Finding:	2.03
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	02-APR-14	Finding:	0.6
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	02-APR-14	Finding:	460.
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	02-APR-14	Finding:	6.5
Chemical:	GROSS ALPHA	Report units:	PCI/L
Dlr:	3.		
Sample date:	02-APR-14	Finding:	2.01
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	02-APR-14	Finding:	0.61
Chemical:	RADIUM 228 COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	02-APR-14	Finding:	4.17
Chemical:	URANIUM (PCI/L)	Report units:	PCI/L
Dlr:	1.		
Sample date:	02-APR-14	Finding:	1.14
Chemical:	URANIUM COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	02-APR-14	Finding:	1.11
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	02-APR-14	Finding:	0.3
Chemical:	URANIUM MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	02-APR-14	Finding:	0.378
Chemical:	RADIUM 228 MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	02-APR-14	Finding:	0.215
Chemical:	RA-226 OR TOTAL RA BY 903.0 C.E.	Report units:	PCI/L
Dlr:	0.		

Sample date:	02-APR-14	Finding:	0.418
Chemical:	RADIUM, TOTAL, MDA95-NTNC ONLY, BY 903.0		
Report units:	PCI/L	Dlr:	0.
Sample date:	02-APR-14	Finding:	178.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	02-APR-14	Finding:	7.9
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	02-APR-14	Finding:	518.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	03-APR-13	Finding:	440.
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		

1G
NNW
1/2 - 1 Mile
Lower

Site ID:	083000585T	**AQUIFLOW**	**68297**
Groundwater Flow:	Varies		
Shallow Water Depth:	4.75		
Deep Water Depth:	7.13		
Average Water Depth:	Not Reported		
Date:	03/31/1999		

2G
SE
1/4 - 1/2 Mile
Lower

Site ID:	083000267T	**AQUIFLOW**	**54950**
Groundwater Flow:	W		
Shallow Water Depth:	Not Reported		
Deep Water Depth:	Not Reported		
Average Water Depth:	4.97		
Date:	01/28/1999		

3G
SE
1/8 - 1/4 Mile
Lower

Site ID:	083002668T	**AQUIFLOW**	**68251**
Groundwater Flow:	Not Reported		
Shallow Water Depth:	Not Reported		
Deep Water Depth:	Not Reported		
Average Water Depth:	6.5		
Date:	10/15/1996		

4G
SE
1/4 - 1/2 Mile
Lower

Site ID:	083001071T	**AQUIFLOW**	**65114**
Groundwater Flow:	WSW		
Shallow Water Depth:	4.29		
Deep Water Depth:	4.61		
Average Water Depth:	Not Reported		
Date:	11/23/1988		

5G
South
1/2 - 1 Mile
Lower

Site ID:	083001939T	**AQUIFLOW**	**66498**
Groundwater Flow:	Not Reported		
Shallow Water Depth:	Not Reported		
Deep Water Depth:	Not Reported		
Average Water Depth:	9 ft		
Date:	12/10/1991		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
92845	23	0

Federal EPA Radon Zone for ORANGE County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for ORANGE COUNTY, CA

Number of sites tested: 30

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.763 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW[R] Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

OTHER STATE DATABASE INFORMATION

Groundwater Ambient Monitoring & Assessment Program
State Water Resources Control Board
Telephone: 916-341-5577
The GAMA Program is Californias comprehensive groundwater quality monitoring program. GAMA collects data by testing the untreated, raw water in different types of wells for naturally-occurring and man-made chemicals. The GAMA data includes Domestic, Monitoring and Municipal well types from the following sources, Department of Water Resources, Department of Heath Services, EDF, Agricultural Lands, Lawrence Livermore National Laboratory, Department of Pesticide Regulation, United States Geological Survey, Groundwater Ambient Monitoring and Assessment Program and Local Groundwater Projects.

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

California Oil and Gas Well Locations
Source: Dept of Conservation, Geologic Energy Management Division
Telephone: 916-323-1779
Oil and Gas well locations in the state.

California Earthquake Fault Lines
Source: California Division of Mines and Geology
The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon
Source: Department of Public Health
Telephone: 916-210-8558
Radon Database for California

PHYSICAL SETTING SOURCE RECORDS SEARCHED

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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APPENDIX E
HISTORICAL RECORDS

5802 Santa Catalina

5802 Santa Catalina

Garden Grove, CA 92845

Inquiry Number: 7519416.3

December 13, 2023

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

12/13/23

Site Name:	Client Name:
5802 Santa Catalina	Stantec
5802 Santa Catalina	735 E. Carnegie Drive, Suite 280
Garden Grove, CA 92845	SAN BERNARDINO, CA 92408
EDR Inquiry # 7519416.3	Contact: Alicia Jansen - Stantec

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Stantec were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 4CD0-4AAE-A770

PO # NA

Project Brandywine

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

Sanborn® Library search results

Certification #: 4CD0-4AAE-A770

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ✔ Library of Congress
- ✔ University Publications of America
- ✔ EDR Private Collection

The Sanborn Library LLC Since 1866™

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5802 Santa Catalina

5802 Santa Catalina

Garden Grove, CA 92845

Inquiry Number: 7519416.4

December 13, 2023

EDR Historical Topo Map Report

with QuadMatch™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

12/13/23

Site Name:	Client Name:
5802 Santa Catalina	Stantec
5802 Santa Catalina	735 E. Carnegie Drive, Suite 280
Garden Grove, CA 92845	SAN BERNARDINO, CA 92408
EDR Inquiry # 7519416.4	Contact: Alicia Jansen - Stantec

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Stantec were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:

P.O.# NA

Project: Brandywine

Coordinates:

Latitude:	33.790863 33° 47' 27" North
Longitude:	-118.032017 -118° 1' 55" West
UTM Zone:	Zone 11 North
UTM X Meters:	404460.56
UTM Y Meters:	3739446.25
Elevation:	32.00' above sea level

Maps Provided:

2021	1950	1923
2018	1949	1902
2015	1947	1899
2012	1945	1896
1981	1943	
1974	1942	
1972	1935	
1964	1925	

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2021 Source Sheets

Los Alamitos
2021
7.5-minute, 24000

2018 Source Sheets

Los Alamitos
2018
7.5-minute, 24000

2015 Source Sheets

Los Alamitos
2015
7.5-minute, 24000

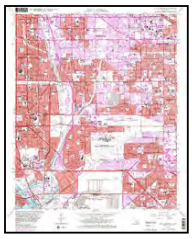
2012 Source Sheets

Los Alamitos
2012
7.5-minute, 24000

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1981 Source Sheets

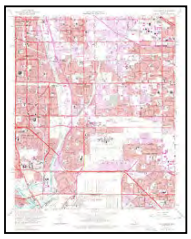


Los Alamitos
1981
7.5-minute, 24000
Aerial Photo Revised 1978

1974 Source Sheets

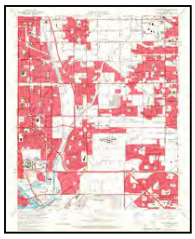
Los Alamitos
1974
7.5-minute, 24000
Aerial Photo Revised 1974

1972 Source Sheets



Los Alamitos
1972
7.5-minute, 24000
Aerial Photo Revised 1972

1964 Source Sheets



Los Alamitos
1964
7.5-minute, 24000
Aerial Photo Revised 1963

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

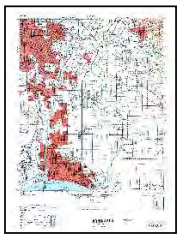
1950 Source Sheets

Los Alamitos
1950
7.5-minute, 24000
Aerial Photo Revised 1947

1949 Source Sheets

Los Alamitos
1949
7.5-minute, 24000
Aerial Photo Revised 1947

1947 Source Sheets



DOWNEY
1947
15-minute, 50000

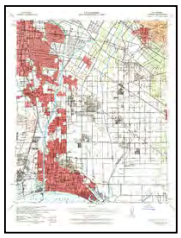
1945 Source Sheets

Artesia
1945
7.5-minute, 24000

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1943 Source Sheets



Downey
1943
15-minute, 62500
Aerial Photo Revised 1939

1942 Source Sheets

Downey
1942
15-minute, 62500

1935 Source Sheets

Los Alamitos
1935
7.5-minute, 31680

1925 Source Sheets

Artesia
1925
7.5-minute, 24000

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1923 Source Sheets

Artesia
1923
7.5-minute, 24000

1902 Source Sheets

Downey
1902
15-minute, 62500

1899 Source Sheets

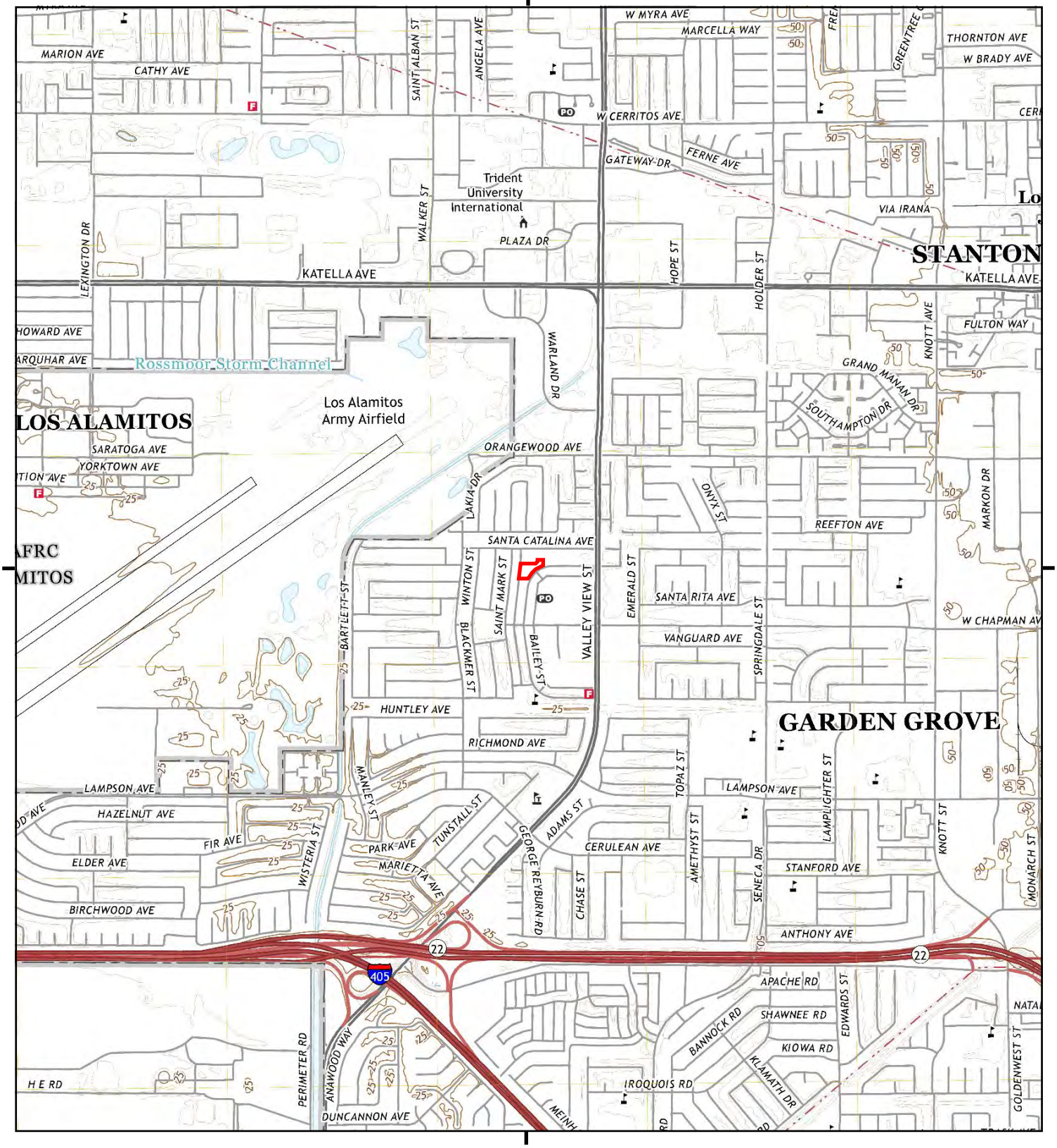
Downey
1899
15-minute, 62500

1896 Source Sheets

Downey
1896
15-minute, 62500

Historical Topo Map

2021



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

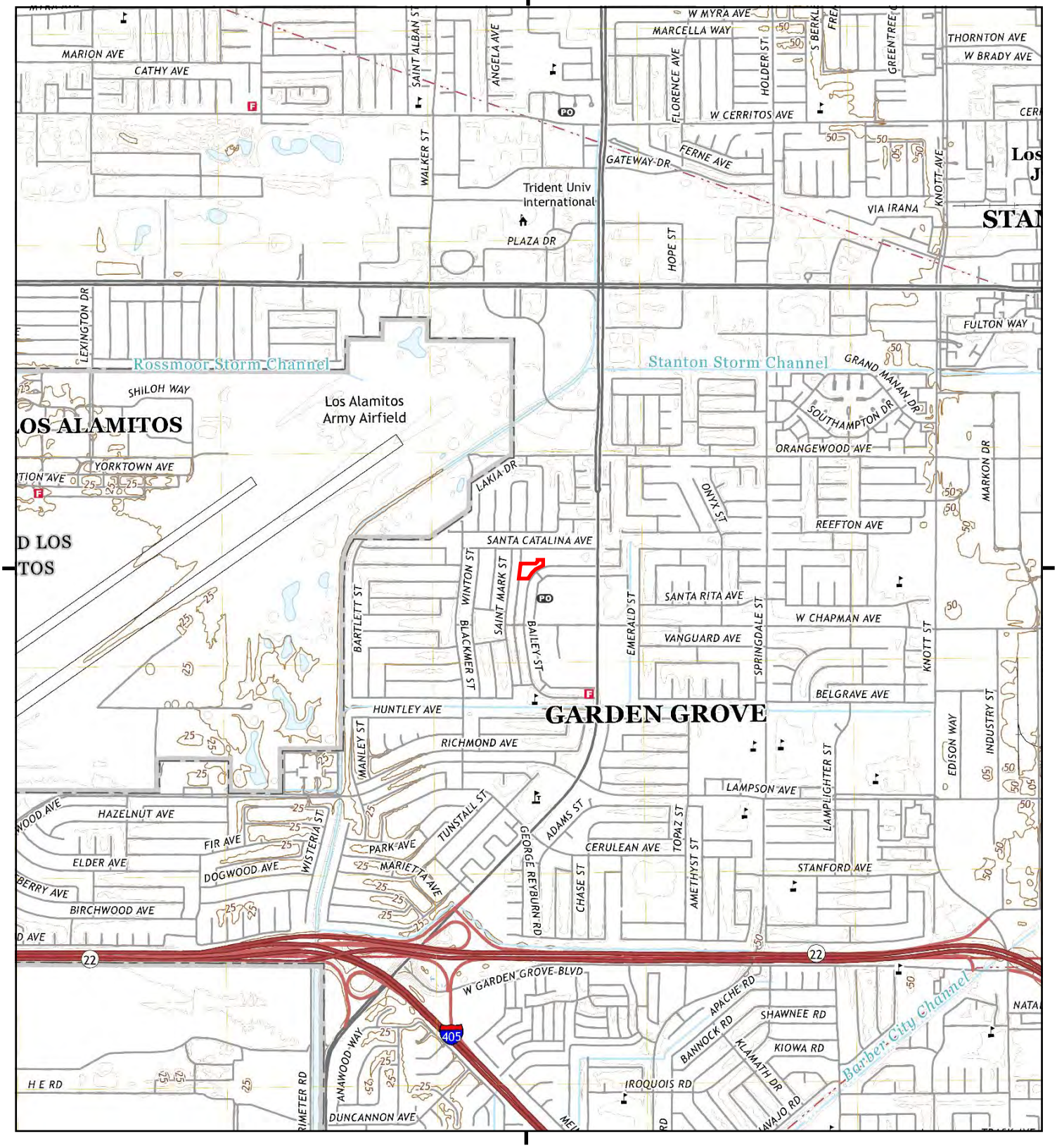
TP, Los Alamitos, 2021, 7.5-minute

SITE NAME: 5802 Santa Catalina
ADDRESS: 5802 Santa Catalina
Garden Grove, CA 92845
CLIENT: Stantec

N

Historical Topo Map

2018



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

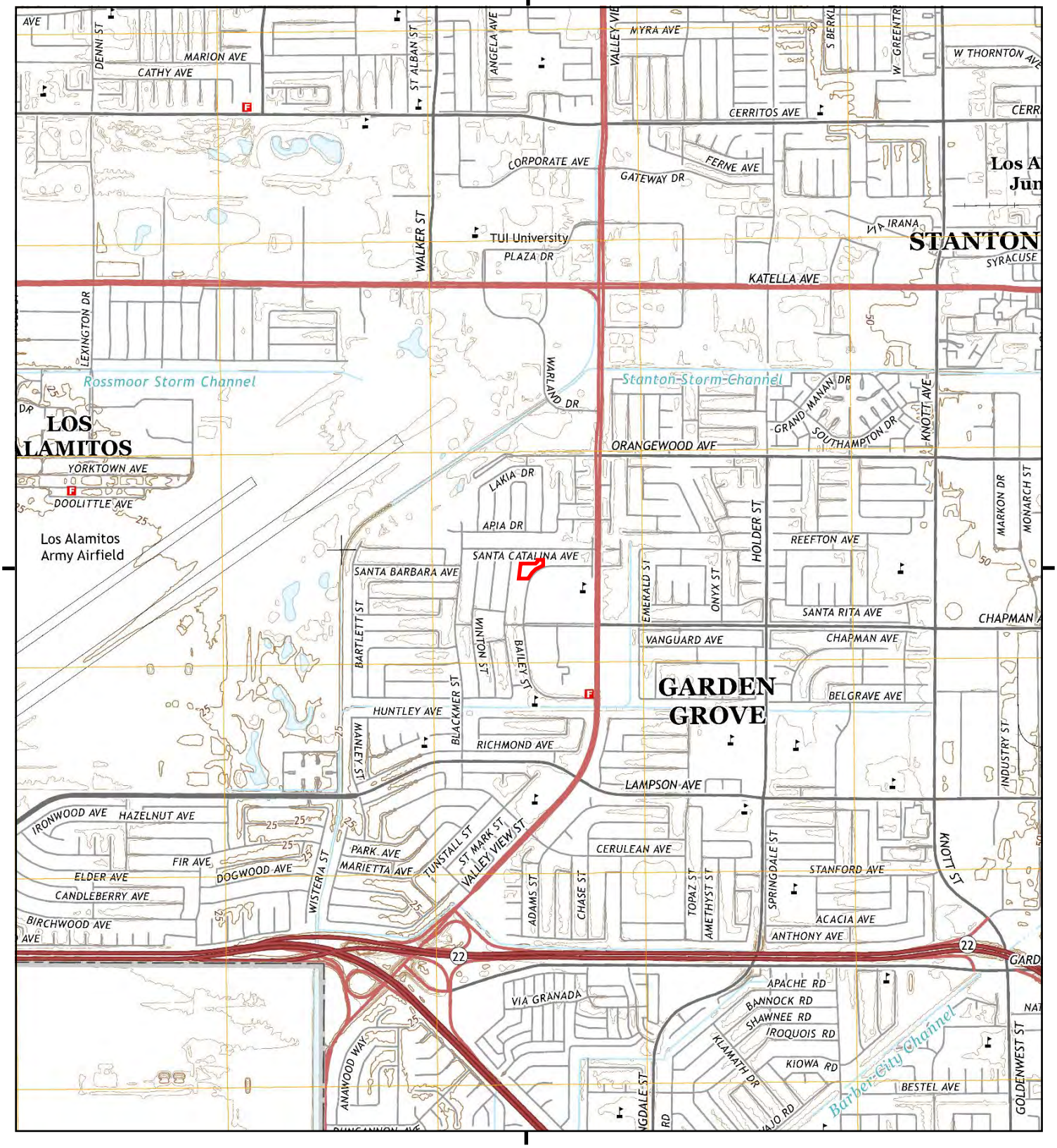
TP, Los Alamitos, 2018, 7.5-minute

SITE NAME: 5802 Santa Catalina
ADDRESS: 5802 Santa Catalina
Garden Grove, CA 92845
CLIENT: Stantec

N

Historical Topo Map

2015



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

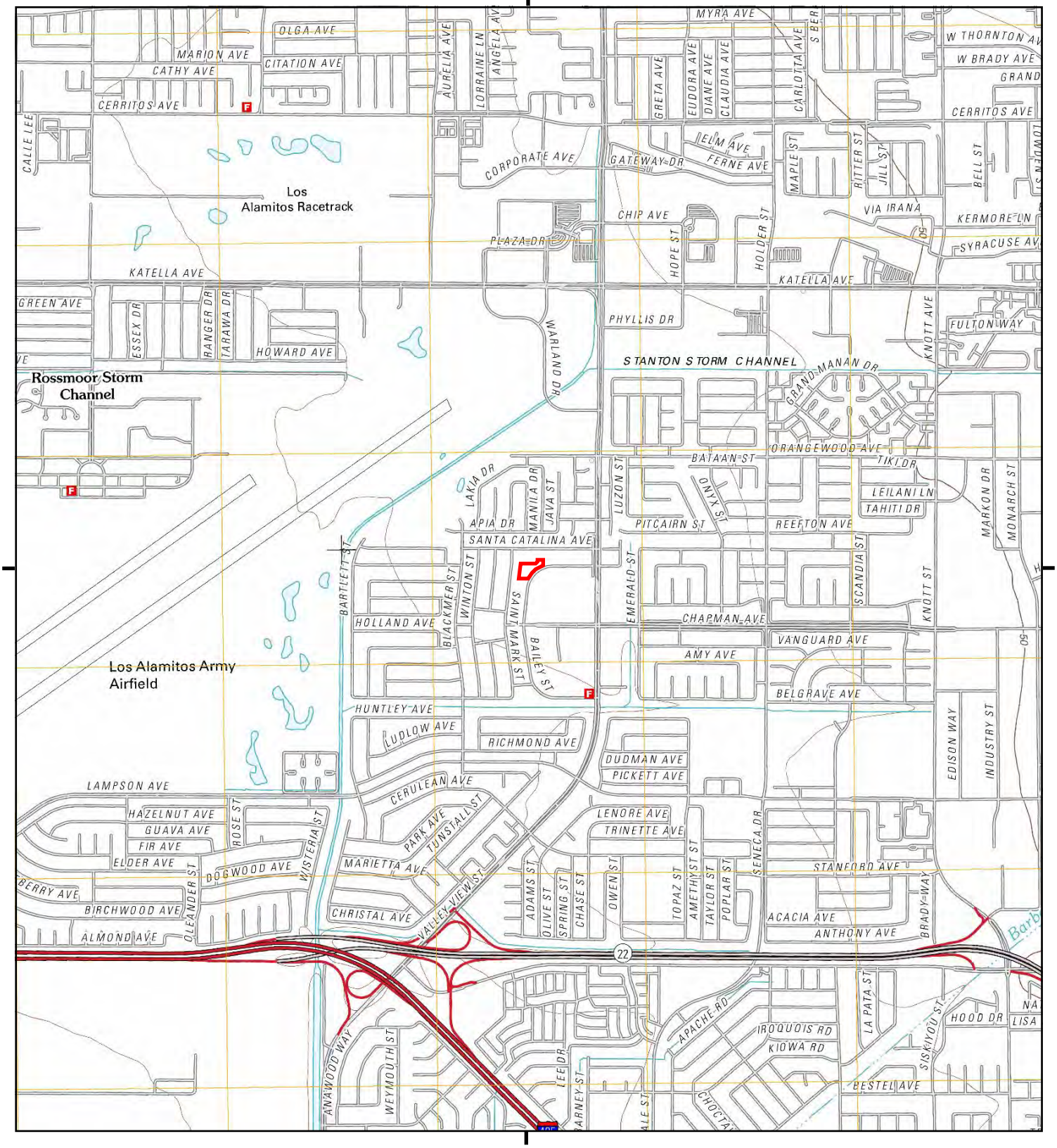
TP, Los Alamitos, 2015, 7.5-minute

SITE NAME: 5802 Santa Catalina
ADDRESS: 5802 Santa Catalina
Garden Grove, CA 92845
CLIENT: Stantec

N

Historical Topo Map

2012



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

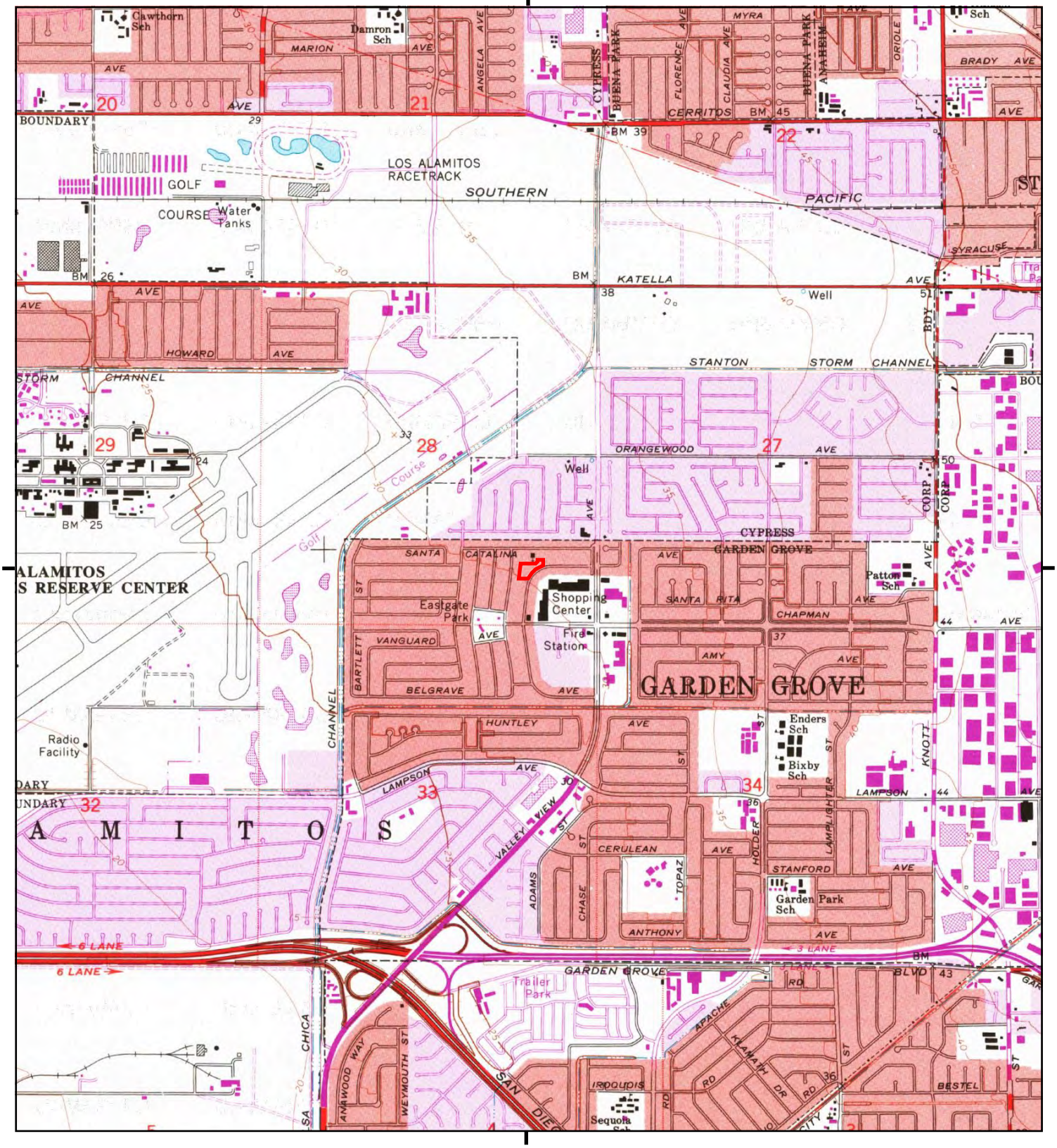
TP, Los Alamitos, 2012, 7.5-minute

SITE NAME: 5802 Santa Catalina
ADDRESS: 5802 Santa Catalina
Garden Grove, CA 92845
CLIENT: Stantec

N

Historical Topo Map

1981



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NW N NE
W E
SW S SE

TP, Los Alamitos, 1981, 7.5-minute

SITE NAME: 5802 Santa Catalina
ADDRESS: 5802 Santa Catalina
Garden Grove, CA 92845
CLIENT: Stantec

N

Historical Topo Map

1974

This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

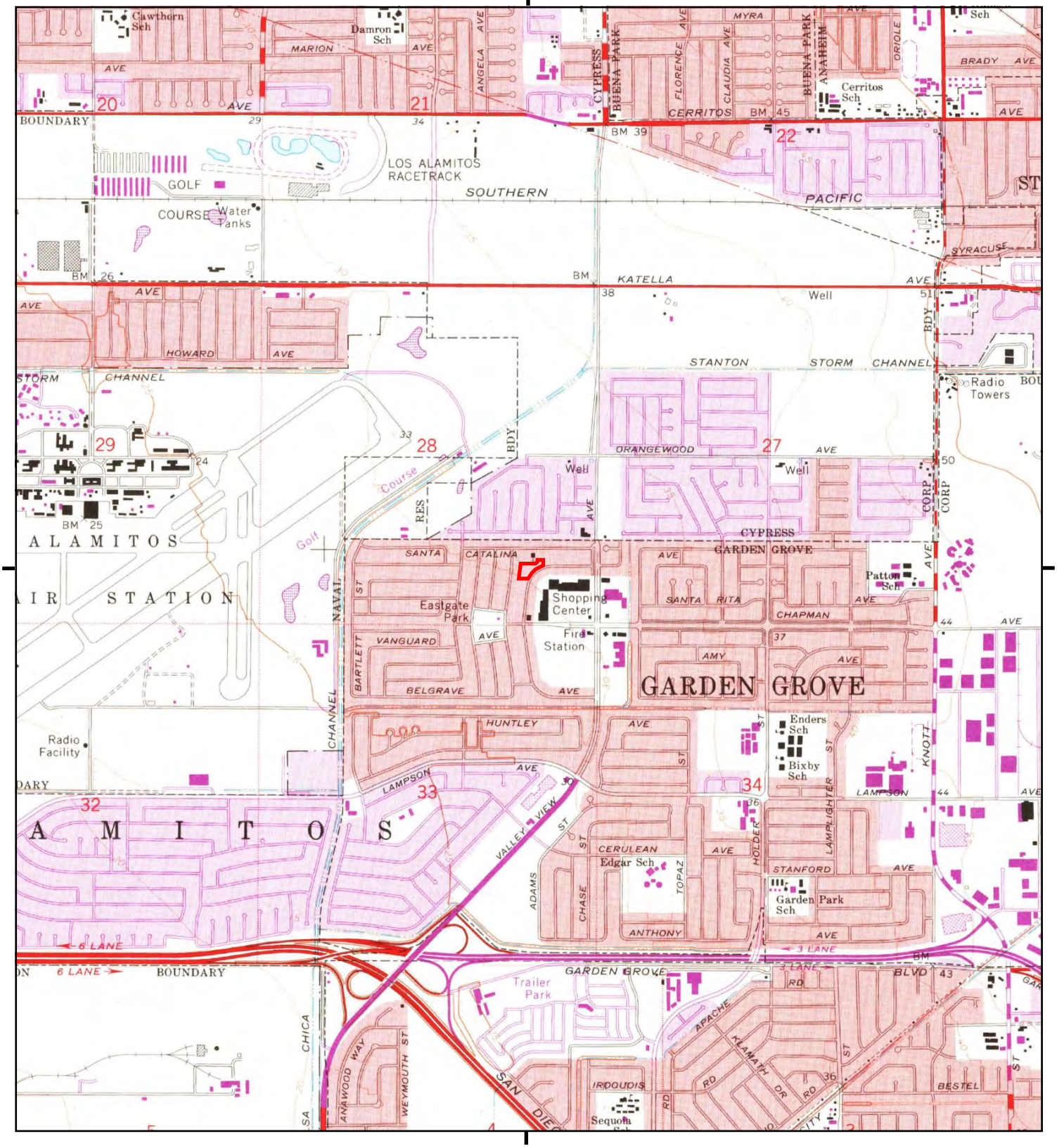
TP, Los Alamitos, 1974, 7.5-minute

SITE NAME: 5802 Santa Catalina
ADDRESS: 5802 Santa Catalina
Garden Grove, CA 92845
CLIENT: Stantec

N

Historical Topo Map

1972



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NW N NE
W E
SW S SE

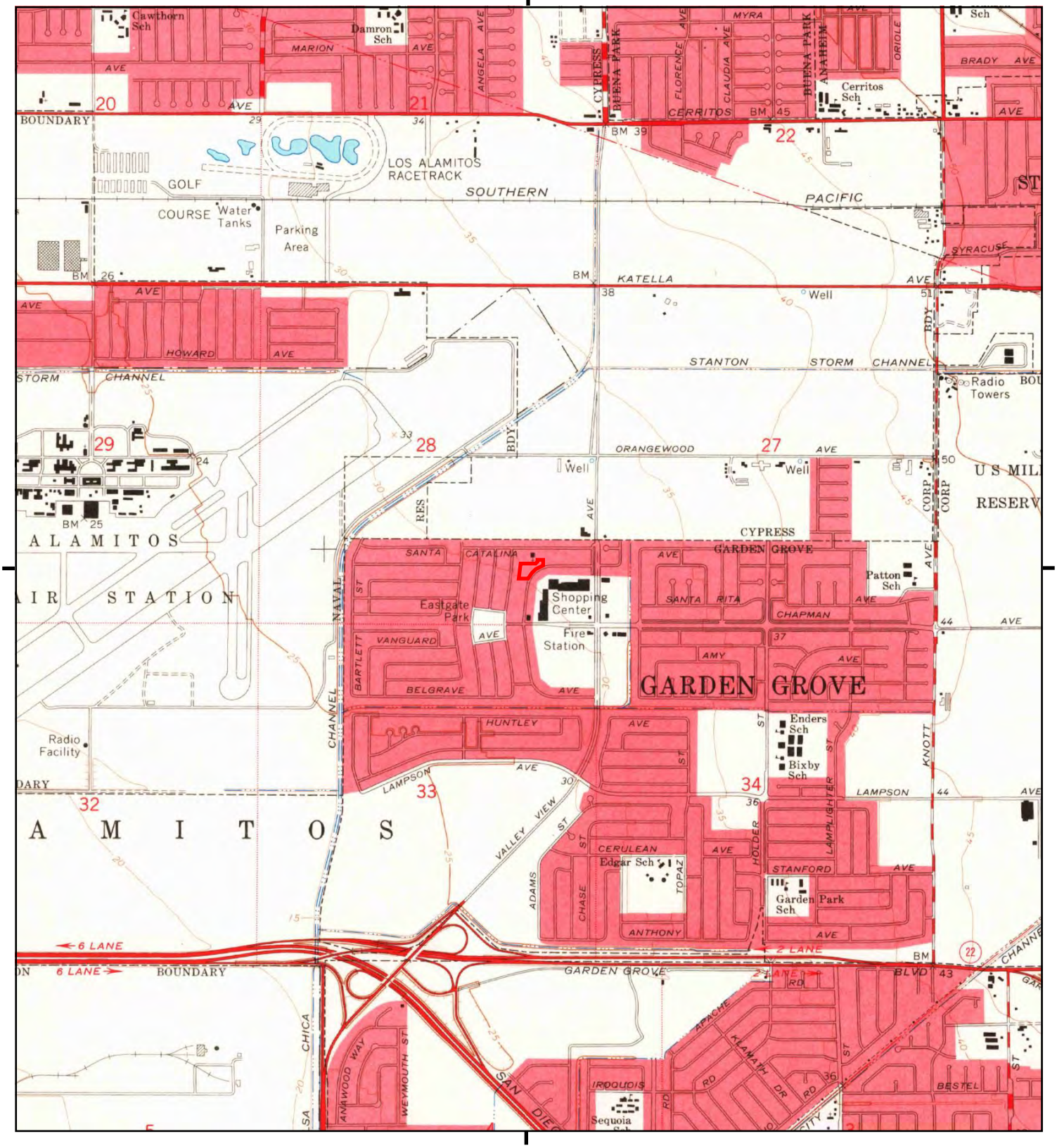
TP, Los Alamitos, 1972, 7.5-minute

SITE NAME: 5802 Santa Catalina
ADDRESS: 5802 Santa Catalina
Garden Grove, CA 92845
CLIENT: Stantec

N

Historical Topo Map

1964



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0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

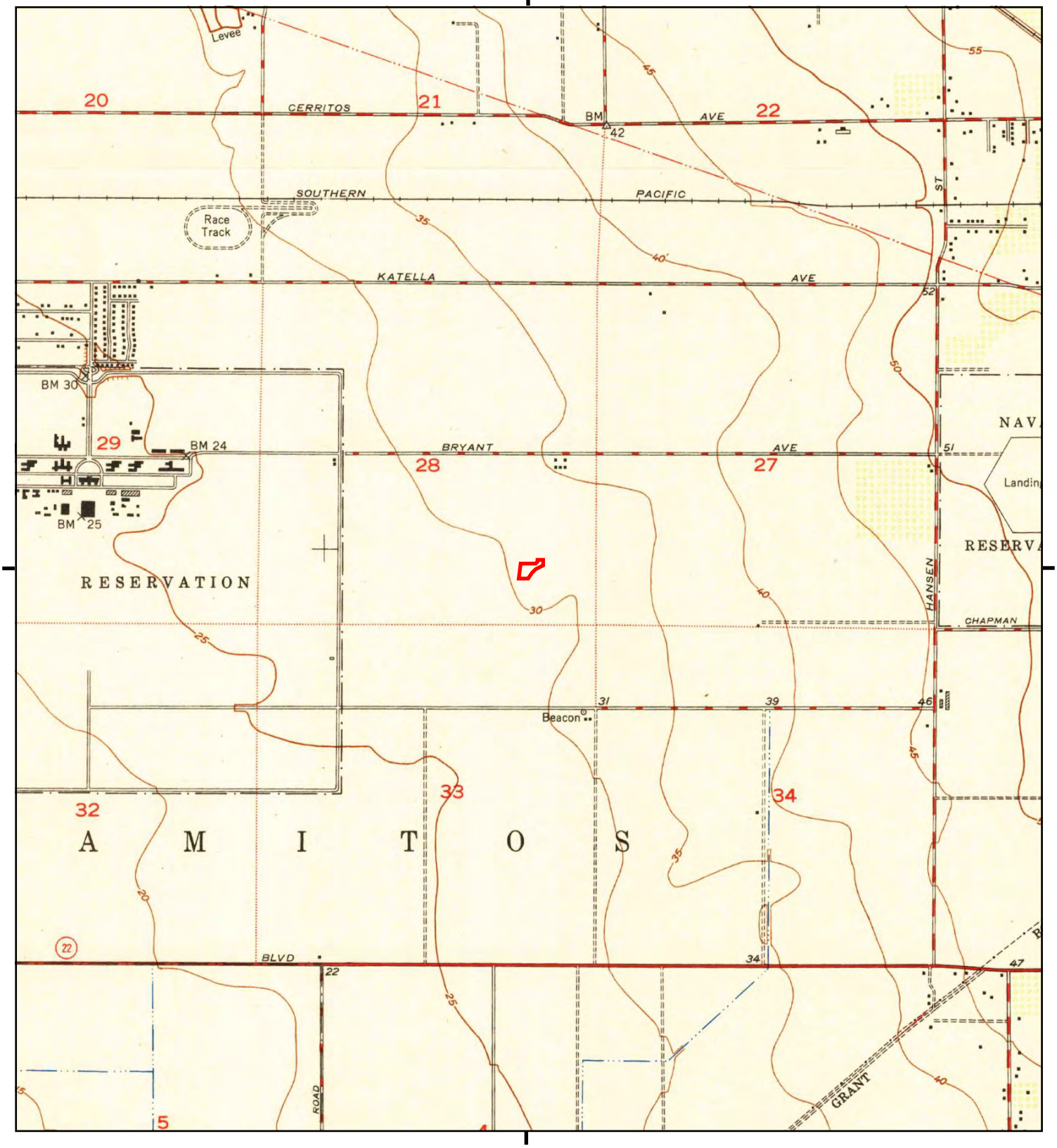
TP, Los Alamitos, 1964, 7.5-minute

SITE NAME: 5802 Santa Catalina
ADDRESS: 5802 Santa Catalina
Garden Grove, CA 92845
CLIENT: Stantec

N

Historical Topo Map

1950



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NW N NE
W E
SW S SE

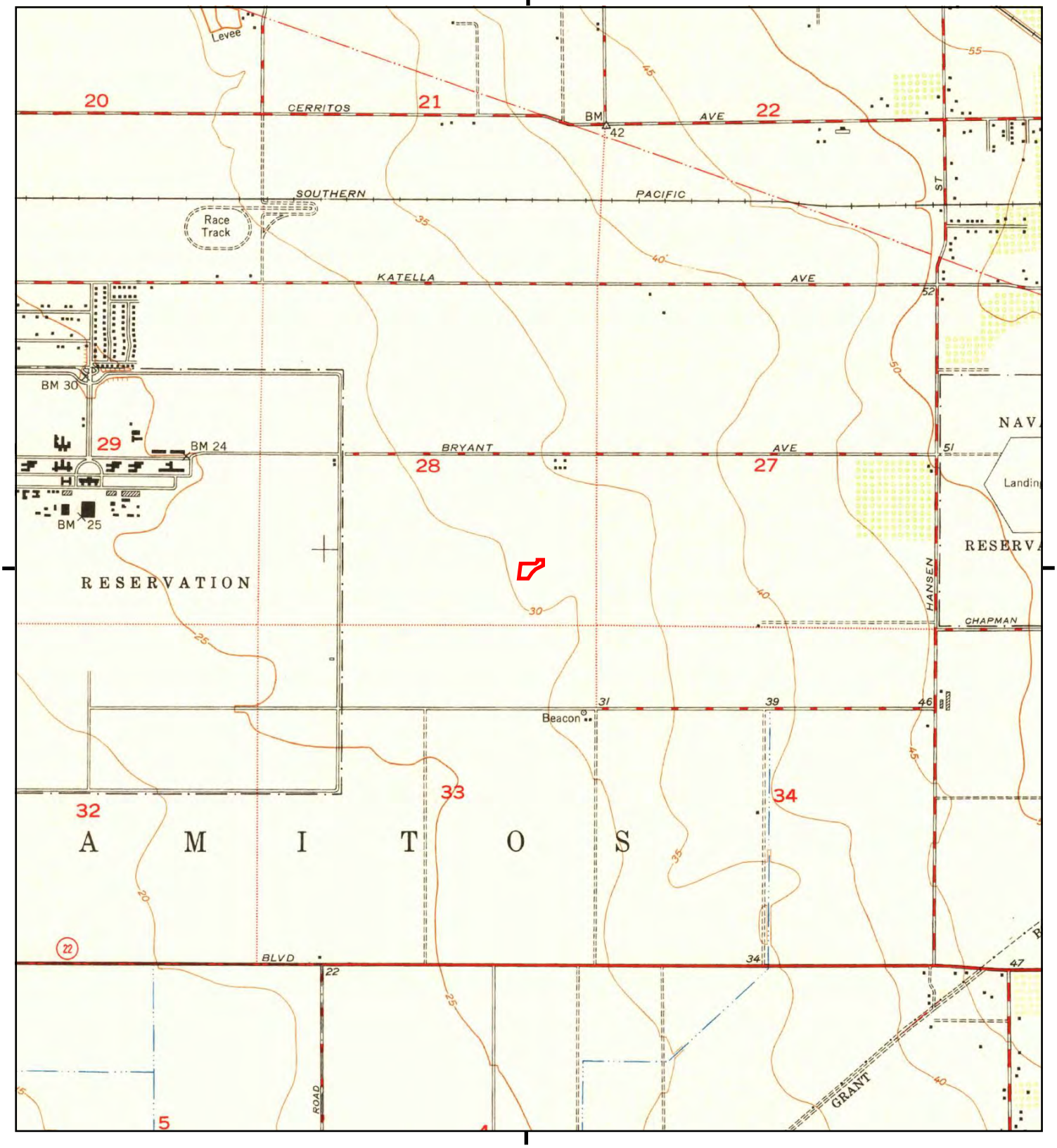
TP, Los Alamitos, 1950, 7.5-minute

SITE NAME: 5802 Santa Catalina
ADDRESS: 5802 Santa Catalina
Garden Grove, CA 92845
CLIENT: Stantec

N

Historical Topo Map

1949



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0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

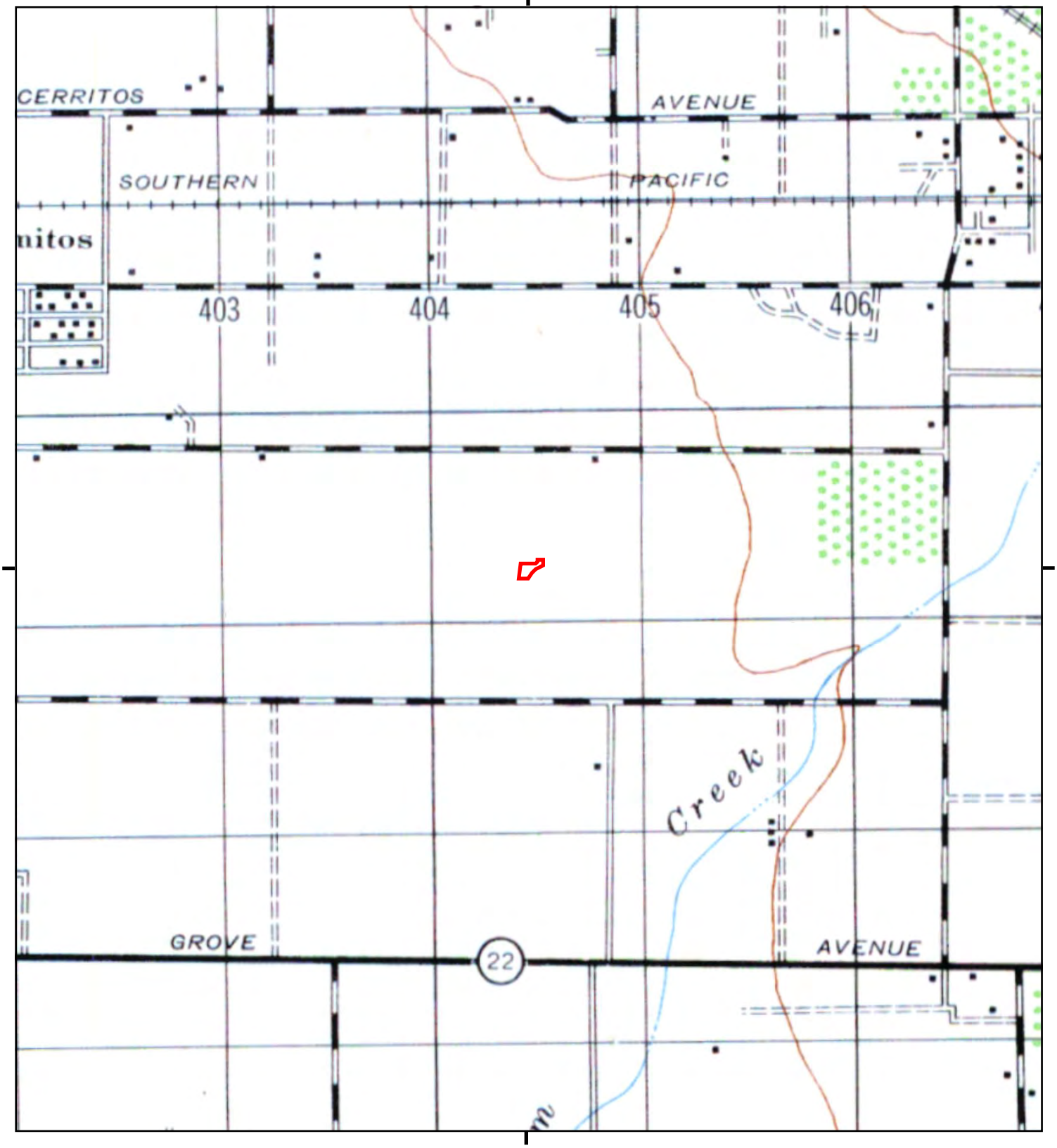
TP, Los Alamitos, 1949, 7.5-minute

SITE NAME: 5802 Santa Catalina
ADDRESS: 5802 Santa Catalina
Garden Grove, CA 92845
CLIENT: Stantec

N

Historical Topo Map

1947



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

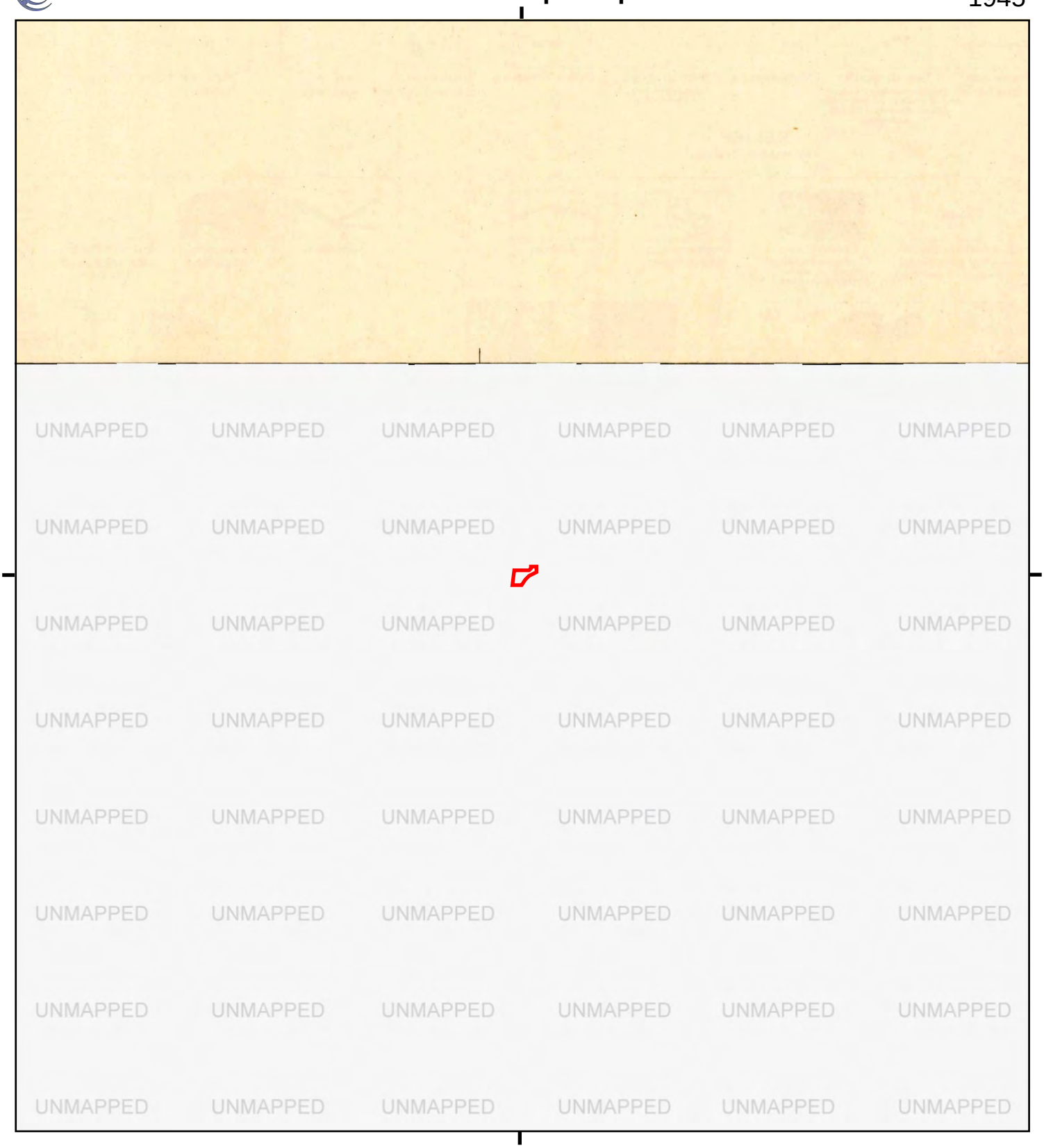
TP, DOWNEY, 1947, 15-minute

SITE NAME: 5802 Santa Catalina
ADDRESS: 5802 Santa Catalina
Garden Grove, CA 92845
CLIENT: Stantec

N

Historical Topo Map

1945



This report includes information from the following map sheet(s).

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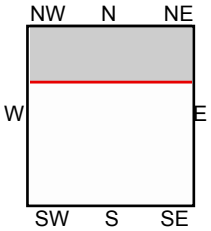


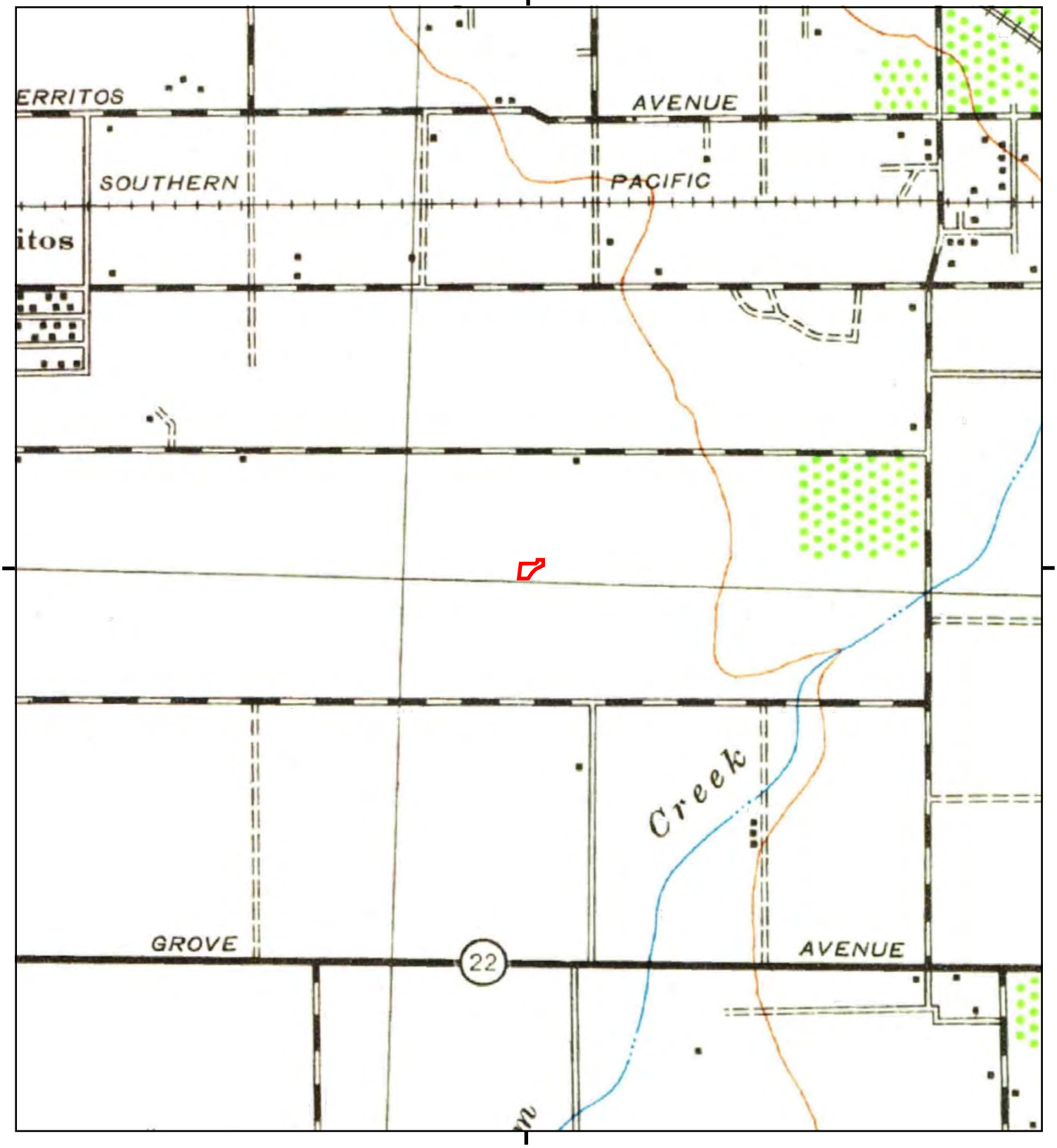
N, Artesia, 1945, 7.5-minute

SITE NAME: 5802 Santa Catalina
ADDRESS: 5802 Santa Catalina
Garden Grove, CA 92845
CLIENT: Stantec

N

Historical Topo Map

1943



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

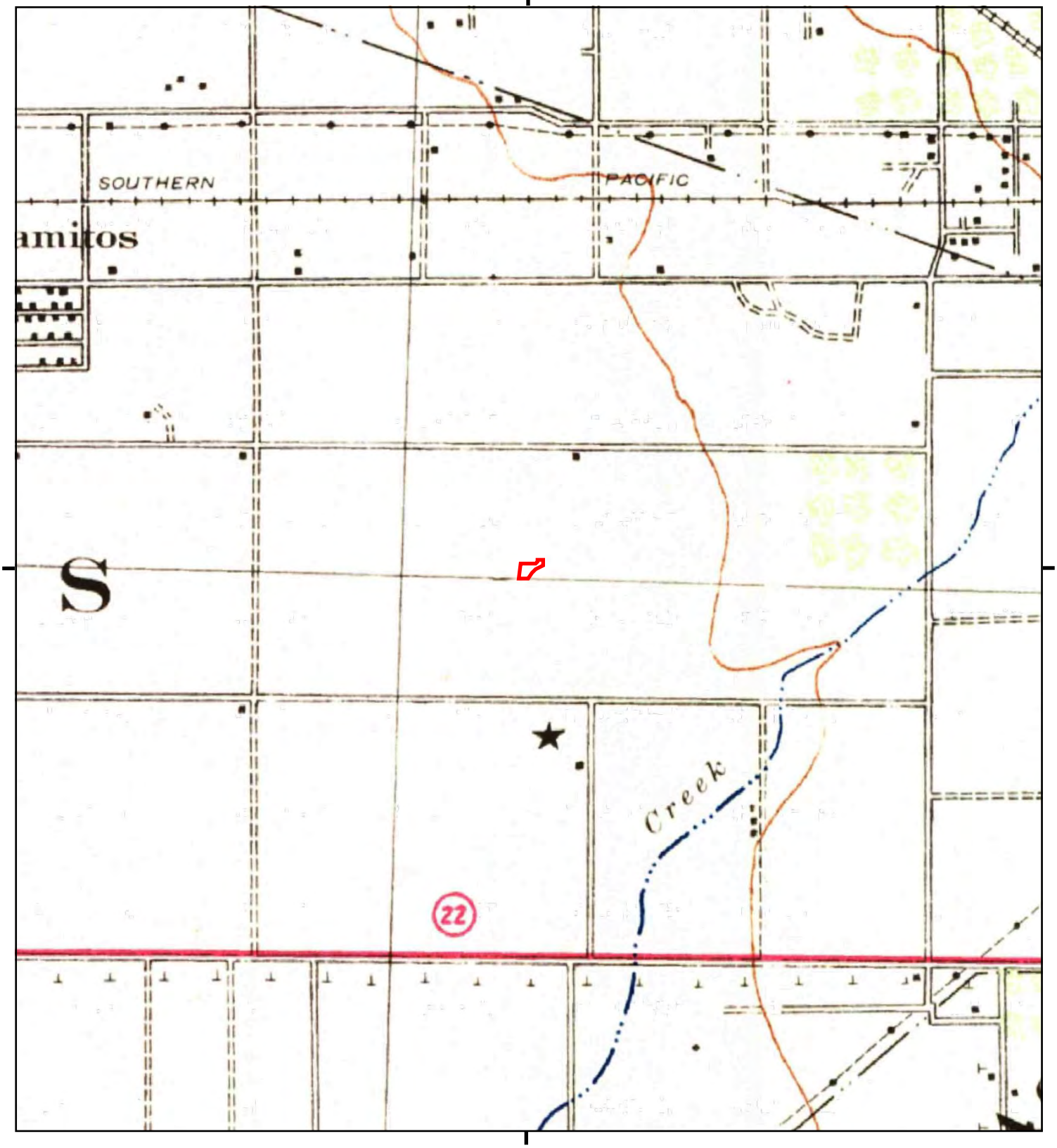
TP, Downey, 1943, 15-minute

SITE NAME: 5802 Santa Catalina
ADDRESS: 5802 Santa Catalina
Garden Grove, CA 92845
CLIENT: Stantec

N

Historical Topo Map

1942



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

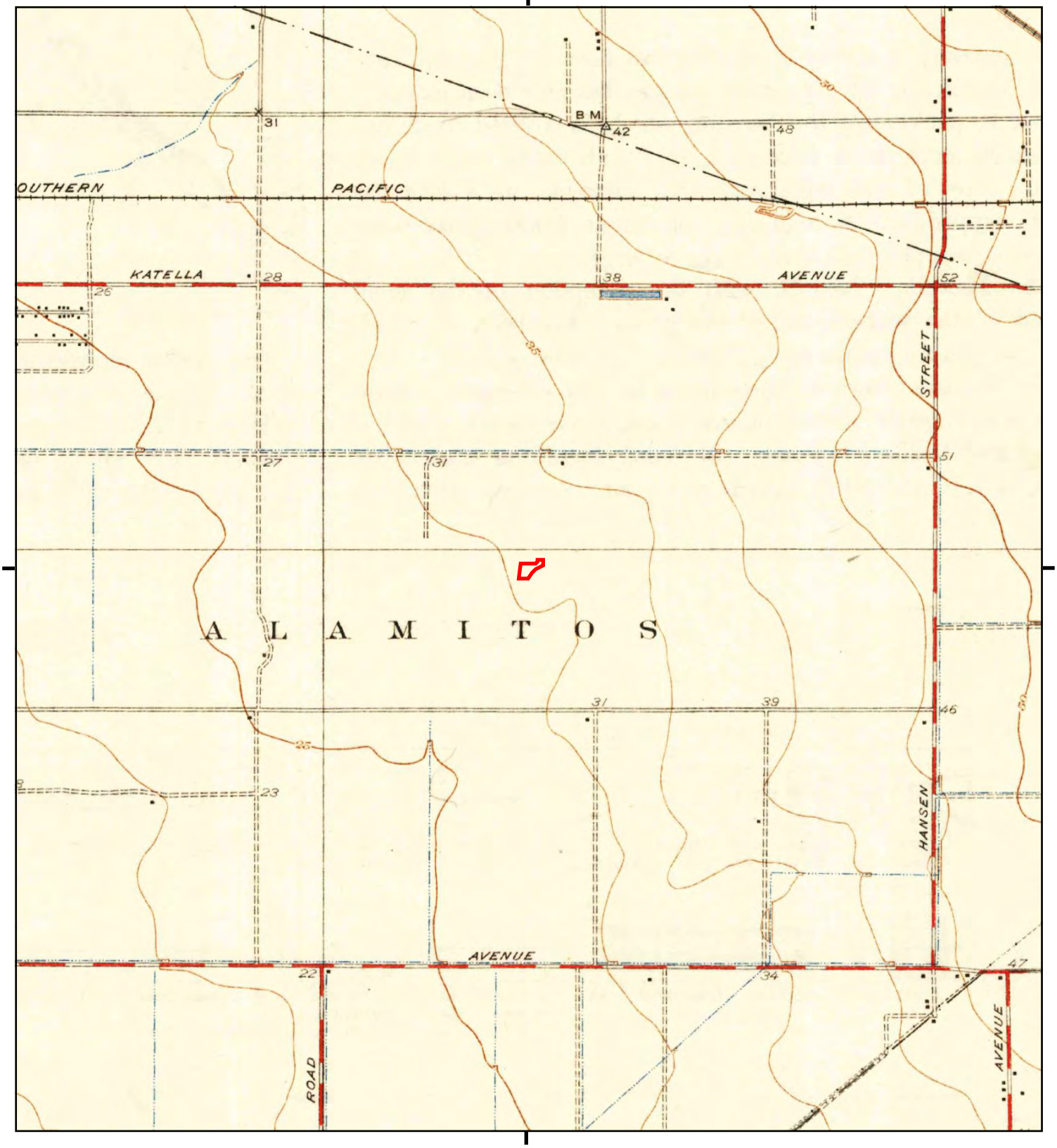
TP, Downey, 1942, 15-minute

SITE NAME: 5802 Santa Catalina
ADDRESS: 5802 Santa Catalina
Garden Grove, CA 92845
CLIENT: Stantec

N

Historical Topo Map

1935



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Los Alamitos, 1935, 7.5-minute

SITE NAME: 5802 Santa Catalina
ADDRESS: 5802 Santa Catalina
Garden Grove, CA 92845
CLIENT: Stantec

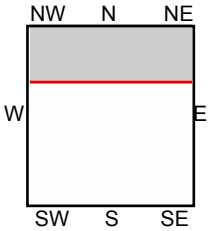
N

Historical Topo Map

1925

This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5



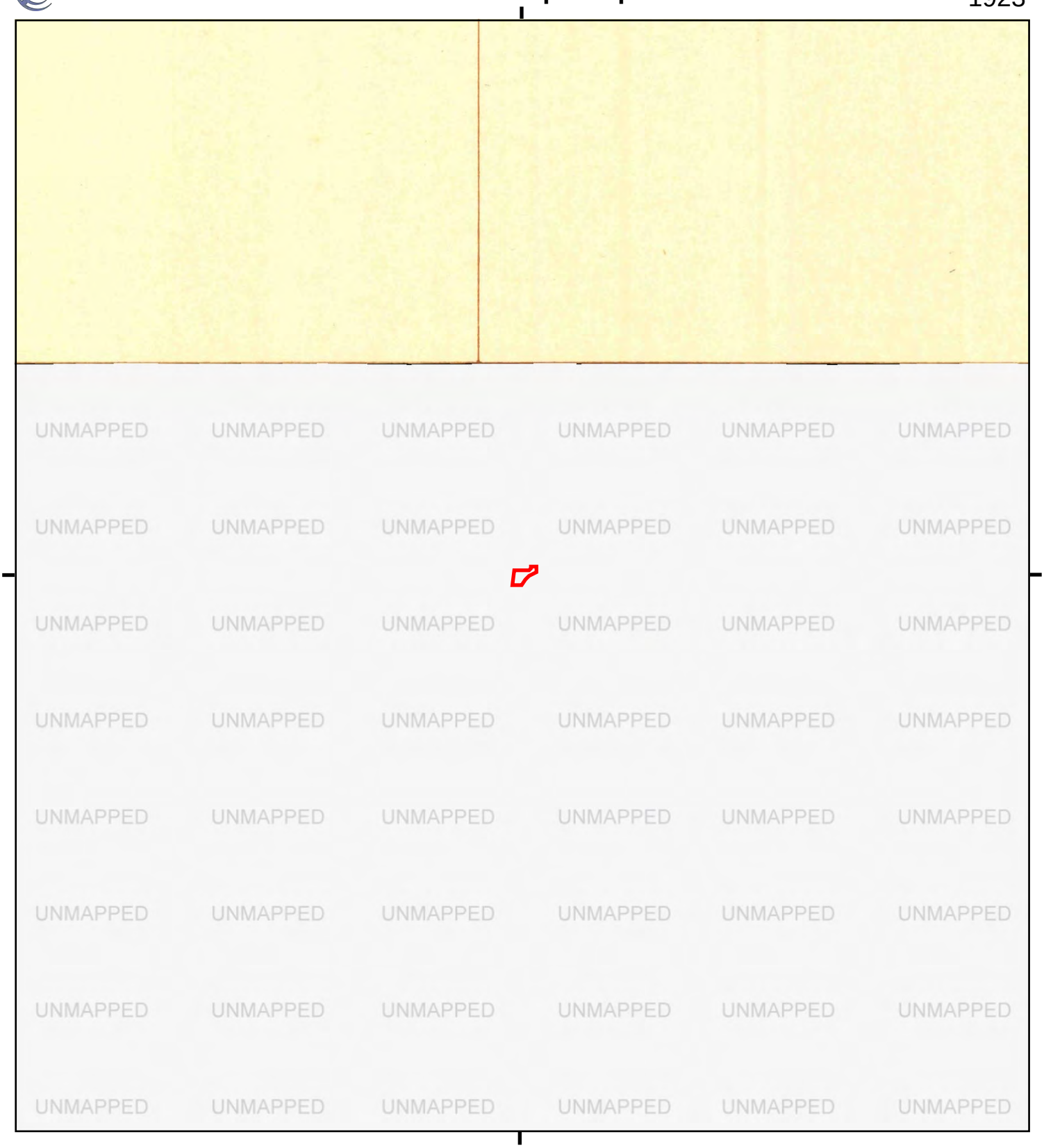
N, Artesia, 1925, 7.5-minute

SITE NAME: 5802 Santa Catalina
ADDRESS: 5802 Santa Catalina
Garden Grove, CA 92845
CLIENT: Stantec

N

Historical Topo Map

1923



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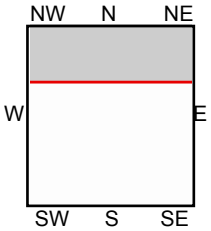
0 Miles 0.25 0.5 1 1.5



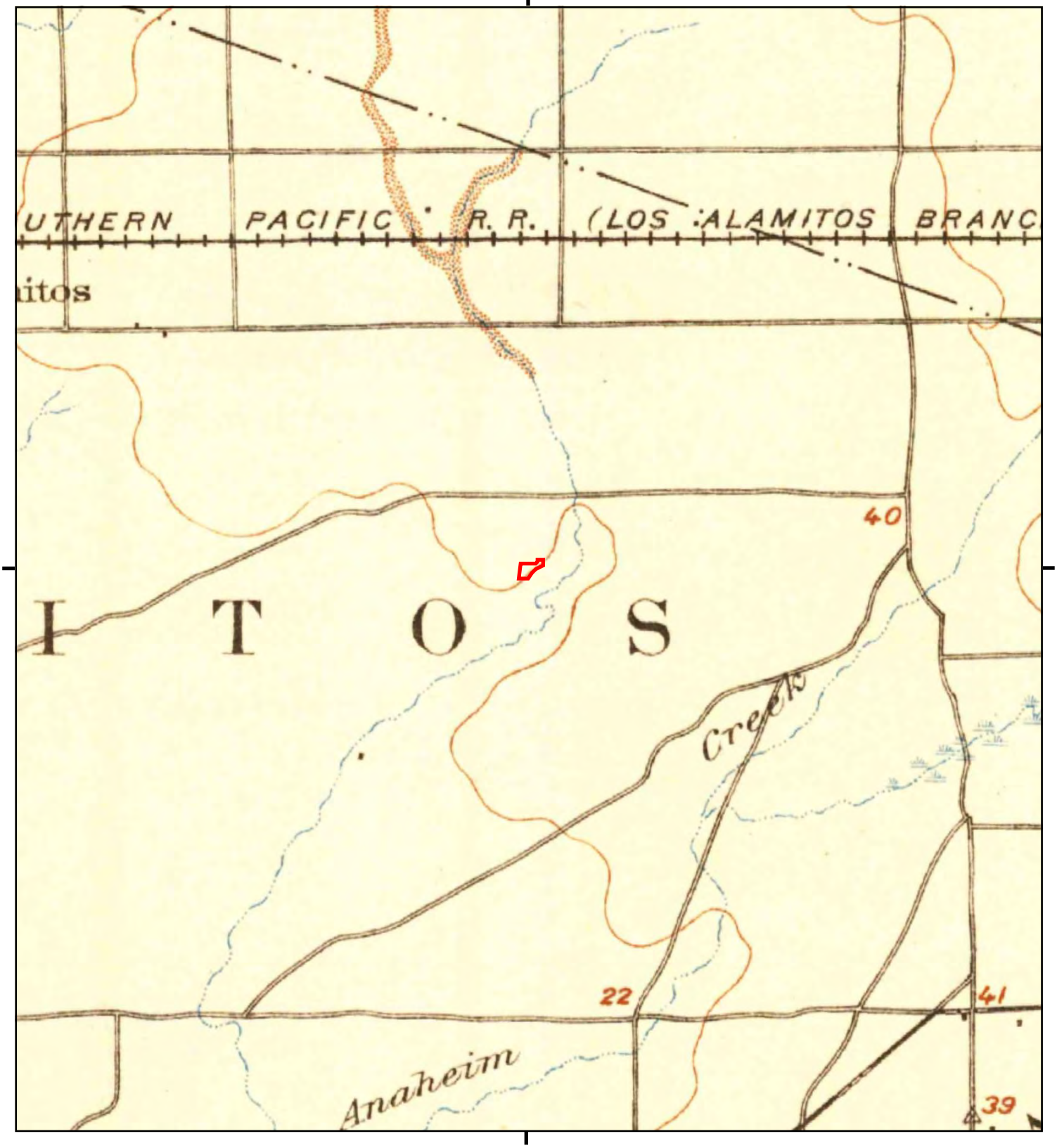
N, Artesia, 1923, 7.5-minute

SITE NAME: 5802 Santa Catalina
ADDRESS: 5802 Santa Catalina
Garden Grove, CA 92845
CLIENT: Stantec

N

Historical Topo Map

1902



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

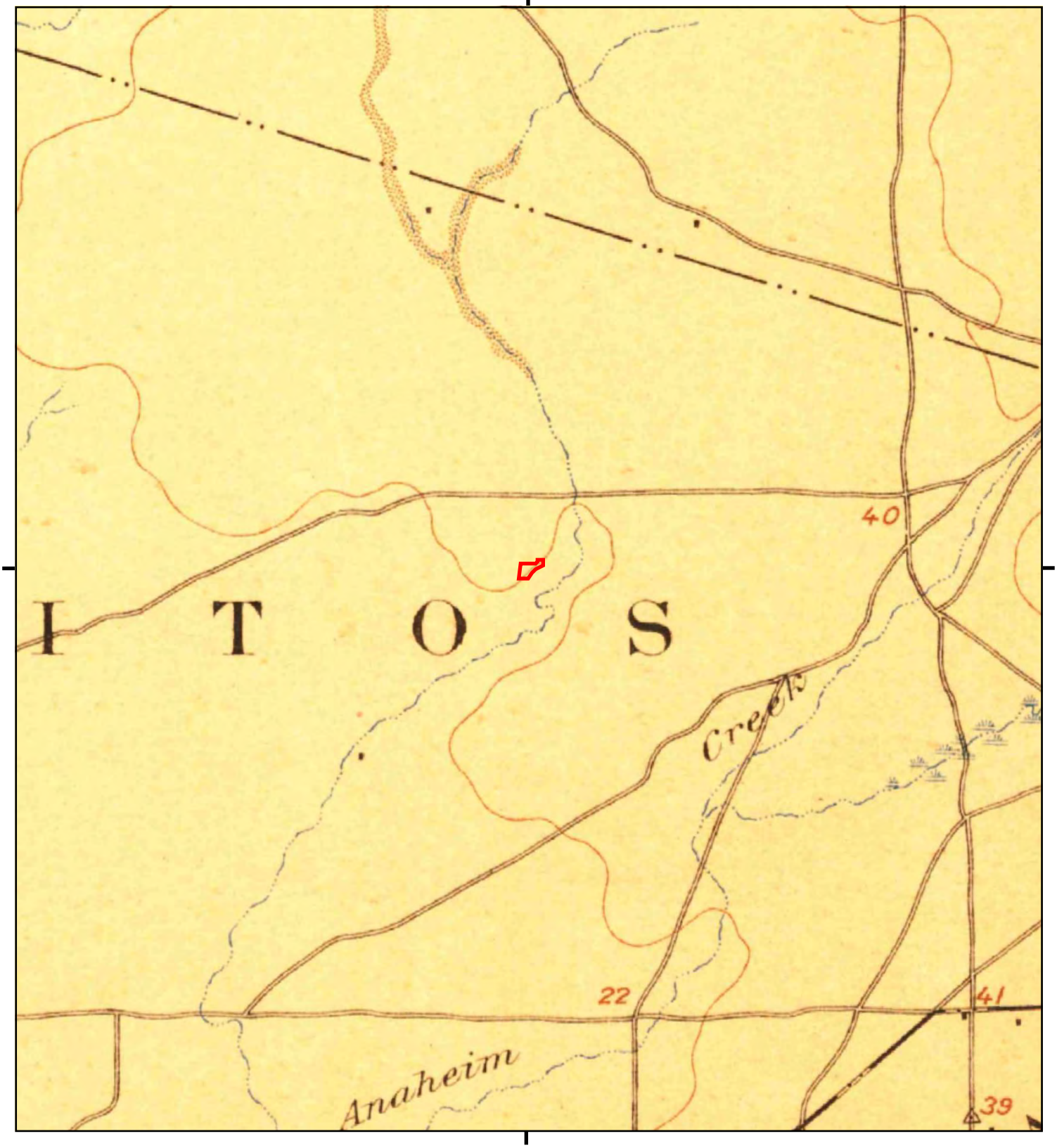
TP, Downey, 1902, 15-minute

SITE NAME: 5802 Santa Catalina
ADDRESS: 5802 Santa Catalina
Garden Grove, CA 92845
CLIENT: Stantec

N

Historical Topo Map

1899



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

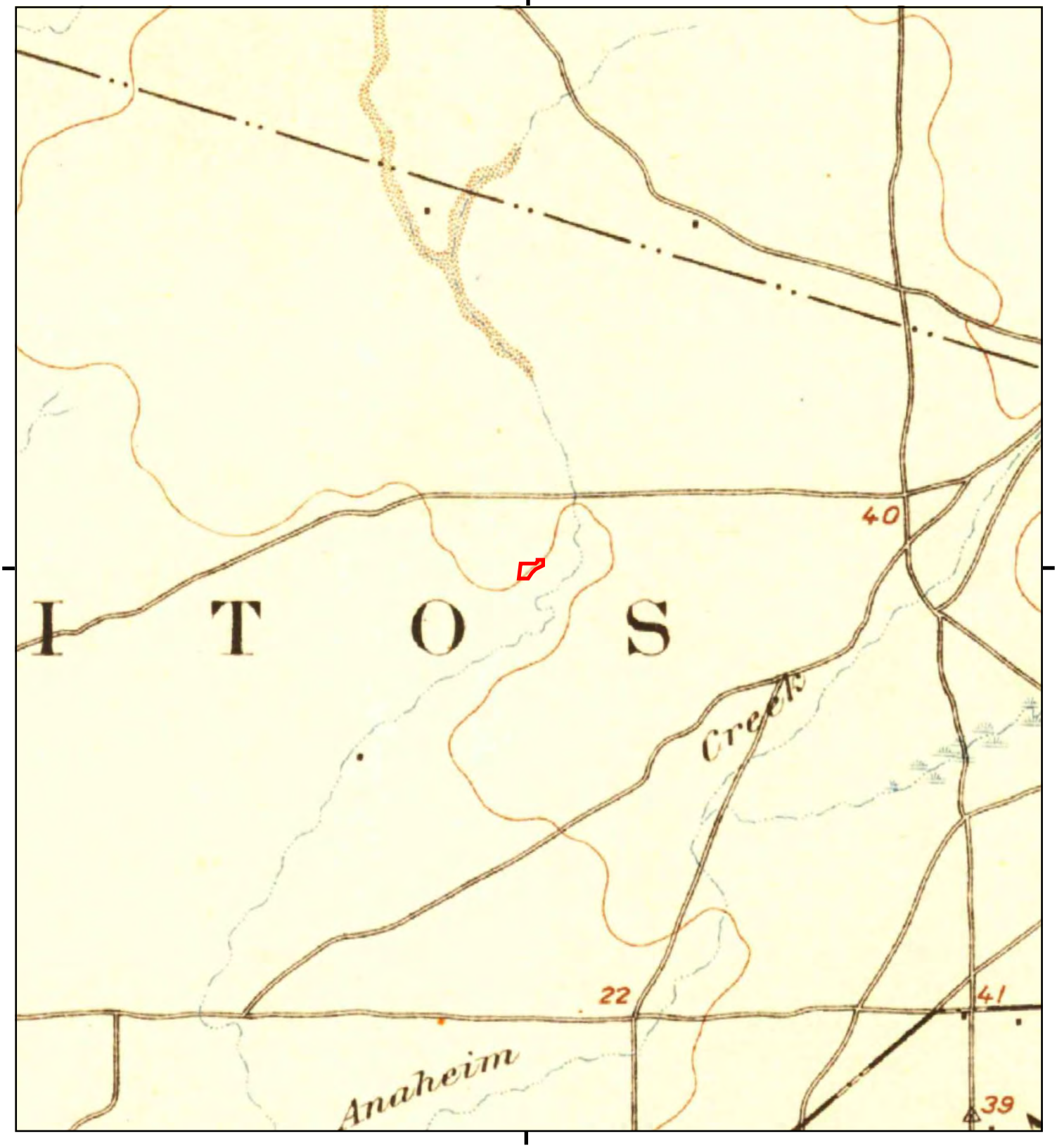
TP, Downey, 1899, 15-minute

SITE NAME: 5802 Santa Catalina
ADDRESS: 5802 Santa Catalina
Garden Grove, CA 92845
CLIENT: Stantec

N

Historical Topo Map

1896



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Downey, 1896, 15-minute

SITE NAME: 5802 Santa Catalina
ADDRESS: 5802 Santa Catalina
Garden Grove, CA 92845
CLIENT: Stantec

N

5802 Santa Catalina

5802 Santa Catalina

Garden Grove, CA 92845

Inquiry Number: 7519416.8

December 13, 2023

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

12/13/23

Site Name:

5802 Santa Catalina
5802 Santa Catalina
Garden Grove, CA 92845
EDR Inquiry # 7519416.8

Client Name:

Stantec
735 E. Carnegie Drive, Suite 280
SAN BERNARDINO, CA 92408
Contact: Alicia Jansen - Stantec

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	*Scale*	*Details*	*Source*
2020	1"=500'	Flight Year: 2020	USDA/NAIP
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
2002	1"=500'	Acquisition Date: January 01, 2002	USGS/DOQQ
1994	1"=500'	Acquisition Date: June 01, 1994	USGS/DOQQ
1990	1"=500'	Flight Date: September 06, 1990	USDA
1988	1"=500'	Flight Date: September 13, 1988	USDA
1983	1"=500'	Flight Date: December 30, 1983	EDR Proprietary Brewster Pacific
1977	1"=500'	Flight Date: January 18, 1977	EDR Proprietary Brewster Pacific
1972	1"=500'	Flight Date: October 30, 1972	USGS
1963	1"=500'	Flight Date: February 28, 1963	USGS
1952	1"=500'	Flight Date: November 18, 1952	USDA
1947	1"=500'	Flight Date: June 17, 1947	FAIR
1938	1"=500'	Flight Date: June 21, 1938	USDA
1928	1"=500'	Flight Date: January 01, 1928	FAIR

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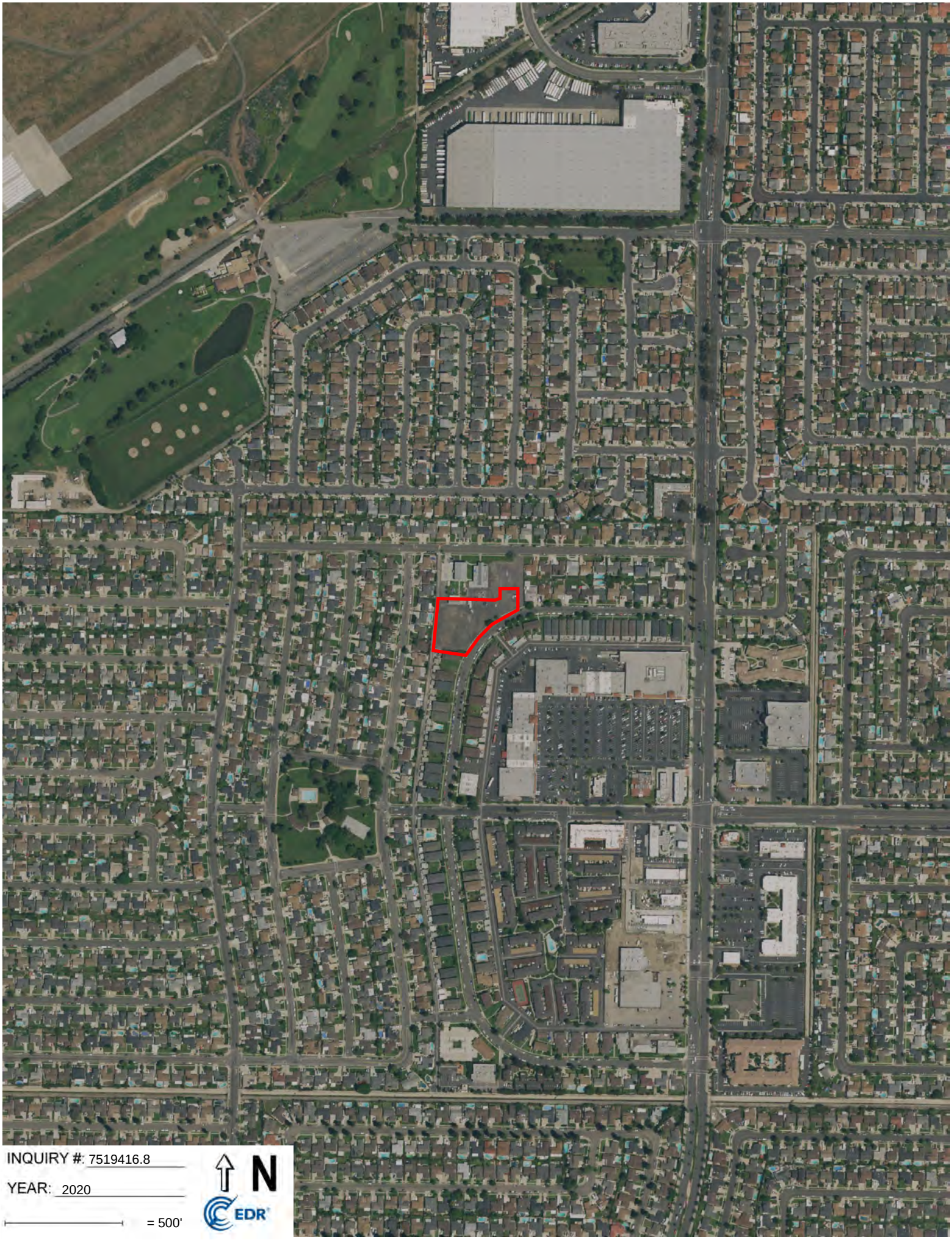
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YEAR: 2020
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N
EDR

INQUIRY #: 7519416.8
YEAR: 2016
= 500'
N
EDR

INQUIRY #: 7519416.8
YEAR: 2012
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EDR

INQUIRY #: 7519416.8
YEAR: 2009
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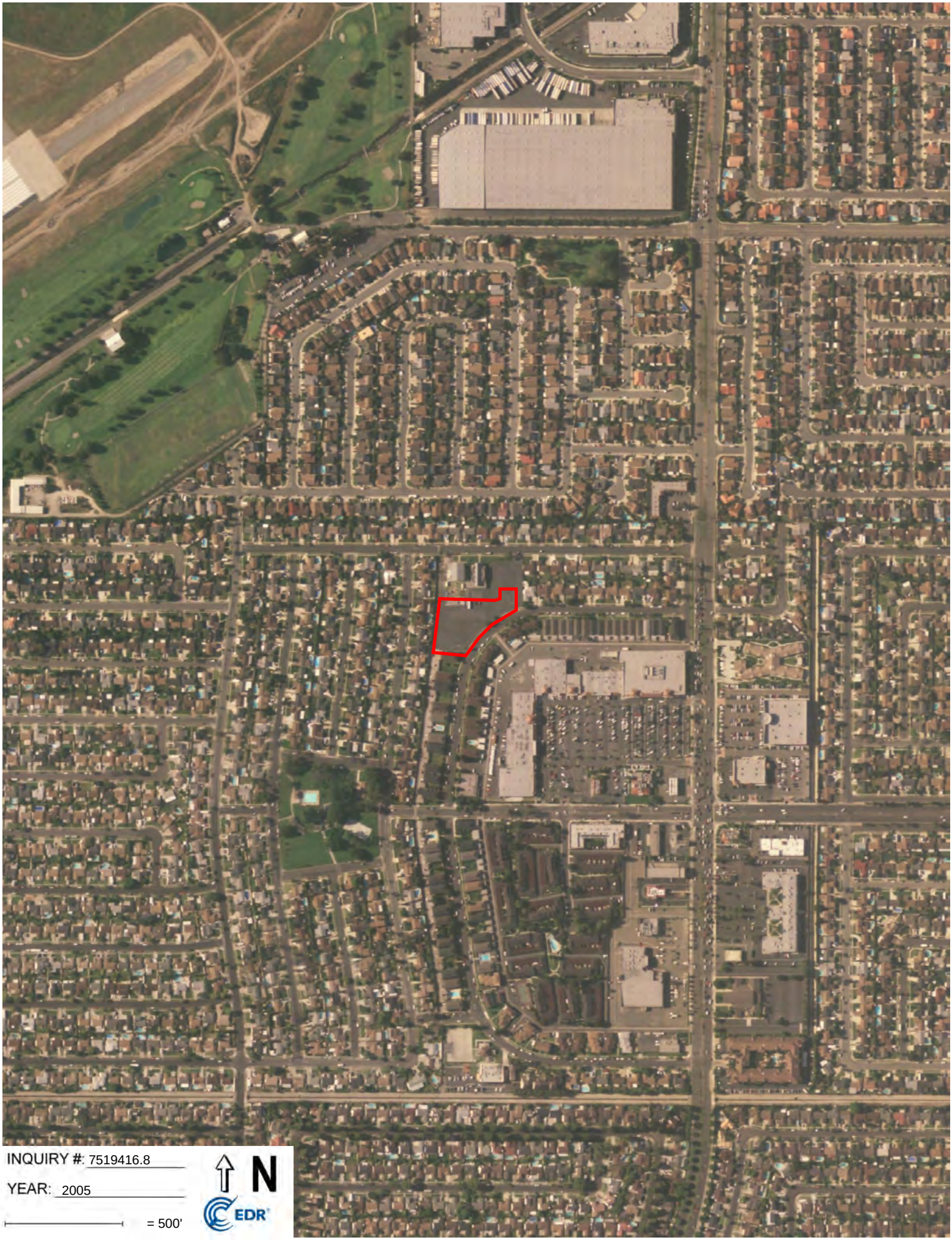
EDR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YEAR: 2005
= 500'
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EDR

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YEAR: 2002
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EDR

INQUIRY #: 7519416.8
YEAR: 1994
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EDR

INQUIRY #: 7519416.8
YEAR: 1990
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EDR

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YEAR: 1988
= 500'
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EDR

INQUIRY #: 7519416.8

YEAR: 1983

= 500'

N

EDR

INQUIRY #: 7519416.8
YEAR: 1977
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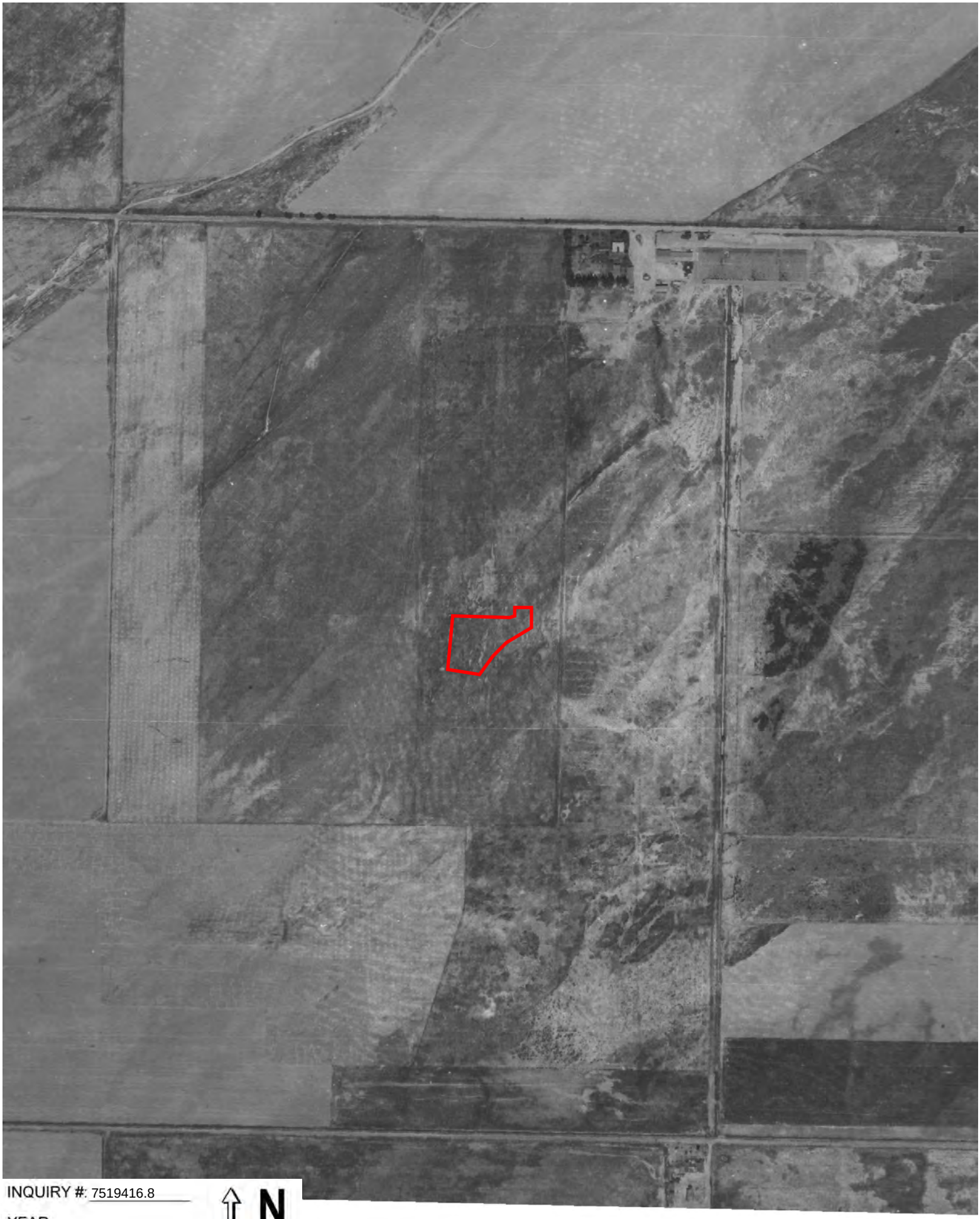
N
EDR

INQUIRY #: 7519416.8
YEAR: 1972
= 500'
N
EDR

INQUIRY #: 7519416.8
YEAR: 1963
= 500'
N
EDR

INQUIRY #: 7519416.8
YEAR: 1952
= 500'
N
EDR

INQUIRY #: 7519416.8
YEAR: 1947
= 500'
N
EDR



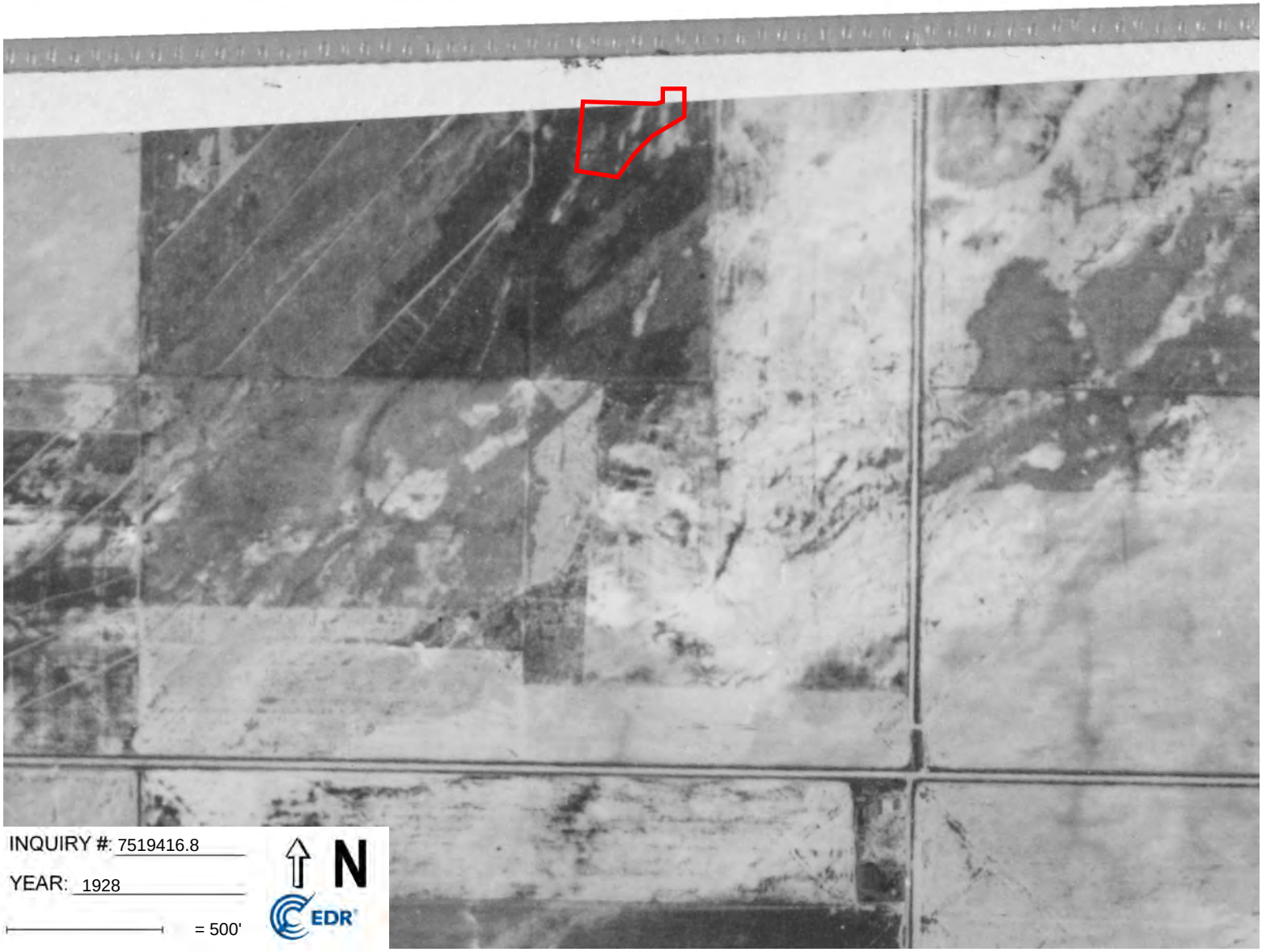
INQUIRY #: 7519416.8

YEAR: 1938

= 500'

N

EDR


INQUIRY #: 7519416.8
YEAR: 1928
= 500'
N
EDR

5802 Santa Catalina
5802 Santa Catalina
Garden Grove, CA 92845

Inquiry Number: 7519416.5
December 13, 2023

The EDR-City Directory Abstract

EDR® Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

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Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at approximately five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1920 through current. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 feet of the target property.

Summary information obtained is provided in the text of this report.

RECORD SOURCES

The EDR City Directory Report accesses a variety of business directory sources, including Haines, InfoUSA, Polk, Cole, Bresser, and Stewart. Listings marked as EDR Digital Archive access Cole and InfoUSA records. The various directory sources enhance and complement each other to provide a more thorough and accurate report.

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Year	Source	TP	Adjoining	Text Abstract	Source Image
2020	EDR Digital Archive	X	X	X	-
2017	Cole Information	-	-	-	-
2014	Cole Information	X	X	X	-
2010	Cole Information	X	X	X	-
2005	Cole Information	X	X	X	-
2002	Haines Company	-	-	-	-
2001	Pacific Telephone	-	-	-	-
2000	Cole Information	-	X	X	-
1997	Pacific Telephone	-	-	-	-
1995	Cole Information	X	X	X	-
	Pacific Bell	X	X	X	-
1992	Cole Information	X	X	X	-
1991	Pacific Bell	-	X	X	-
1986	Pacific Bell	X	X	X	-
1980	Pacific Telephone	-	X	X	-
1975	Luskey Brothers & Co., Inc.	X	X	X	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1971	Luskey Brothers Co., Inc.	-	-	-	-
1970	General Telephone Co., of California	X	X	X	-
1966	Pacific Telephone	X	X	X	-
1965	ROSS PUBLICATIONS INC.	-	-	-	-
1961	Luskey Brothers & Co.,	-	-	-	-
1960	Unknown	-	-	-	-
1956	LUSKEY BROTHERS & CO. INC.	-	-	-	-
1955	Luskeys Brothers & Co.	-	-	-	-
1952	Luskeys Directory Service Co.	-	-	-	-
1950	The Pacific Telephone and Telegraph Co.	-	-	-	-
1946	Southern California Telephone Co.	-	-	-	-
1945	McCutcheon & Bragonier	-	-	-	-
1941	Southern California Telephone Co.	-	-	-	-
1936	A SAM DAWSON DIRECTORY	-	-	-	-
1930	Western Directory Co.	-	-	-	-
1926	Pacific Telephone	-	-	-	-
1925	Western Directory Co.	-	-	-	-
1922	Kaasen Directory Co.	-	-	-	-
1921	Western Directory Co.	-	-	-	-
1920	Santa Ana Directory Co.	-	-	-	-

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

5802 Santa Catalina
Garden Grove, CA 92845

FINDINGS DETAIL

Target Property research detail.

SANTA CATALINA

5802 SANTA CATALINA

Year	*Uses*	*Source*
1970	WEST GARDEN GROVE BAPTIST CHURCH	General Telephone Co., of California
1966	WEST GARDEN GROVE BAPTIST CHURCH	Pacific Telephone

SANTA CATALINA AVE

5802 SANTA CATALINA AVE

Year	*Uses*	*Source*
2020	GRACE BAPTIST CHURCH	EDR Digital Archive
	LOOK WHO'S LEARNING PRESCHOOL	EDR Digital Archive
2014	GRACE BAPTIST CHURCH OF GARDEN GROVE	Cole Information
2010	GRACE BAPTIST CHURCH	Cole Information
	LOOK WHOS LEARNING PRESCHOOL	Cole Information
2005	GRACE BAPTIST CHURCH OF GARDEN GROVE	Cole Information
	LOOK WHOS LEARNING PRESCHOOL	Cole Information
1995	GRACE BAPTIST CHURCH	Cole Information
	OCCUPANT UNKNOWNN	Cole Information
	Grace Baptist Church Of Garden Grove	Pacific Bell
1992	GRACE BAPTIST CH	Cole Information
1986	Little School Of The West	Pacific Bell
1975	WEST GARDEN GROVE BAPTIST CHURCH	Luskey Brothers & Co., Inc.

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

11592 RABAUL DR

8 11592 RABAUL DR

Year	Uses	Source
1980	Mc Roberts Alan	Pacific Telephone

11670 MIDWAY DR

10 11670 MIDWAY DR

Year	Uses	Source
1995	Norris	Pacific Bell

11693 GUAM CIR

1 11693 GUAM CIR

Year	Uses	Source
1980	Pal eusk M	Pacific Telephone

A PA DR

5754 A PA DR

Year	Uses	Source
1980	Zoerlen Re h W	Pacific Telephone

APIA DR

5694 APIA DR

Year	Uses	Source
2020	MARIA GUZMAN-CERVANTES	EDR Digital Archive
	FERMIN CERVANTES	EDR Digital Archive
2014	THOMAS ESAKI	Cole Information
2010	THOMAS ESAKI	Cole Information
2005	THOMAS ESAKI	Cole Information
2000	THOMAS ESAKI	Cole Information

FINDINGS

Year	Uses	Source
1995	Esaki Thos T	Pacific Bell
	ESAKI, THOMAS T	Cole Information
1992	ESAKI, THOMAS T	Cole Information
1991	Esaki Thos T	Pacific Bell
1980	Esaki Thosi	Pacific Telephone
	I Esau Charles	Pacific Telephone
1975	Tillotson Kenneth D	Luskey Brothers & Co., Inc.
1970	Stone Robt C	General Telephone Co., of California

5704 APIA DR

Year	Uses	Source
2020	SUNG NAM	EDR Digital Archive
	CHIN NAM	EDR Digital Archive
2014	SUNG NAM	Cole Information
2010	SUNG NAM	Cole Information
2005	SUNG NAM	Cole Information
2000	SUN NAM	Cole Information
1995	Software Visions	Pacific Bell
	ALINO, RAMON A	Cole Information
1991	Krauss Larry	Pacific Bell
1986	Krauss Larry	Pacific Bell
1980	Krauss Larry	Pacific Telephone
	Or	Pacific Telephone
1975	Paulin David D	Luskey Brothers & Co., Inc.

5714 APIA DR

Year	Uses	Source
2020	BLOEKER VONBLOEKER	EDR Digital Archive
	VELMA VONBLOEKER	EDR Digital Archive
	VELMA BLOEKER	EDR Digital Archive
2014	JACK VONBLOEKER	Cole Information
2010	VELMA VONBLOEKER	Cole Information
2005	VELMA VONBLOEKER	Cole Information
2000	JACK VONBLOEKER	Cole Information

FINDINGS

Year	Uses	Source
1995	VONBLOEKER, JACK C	Cole Information
1975	Earth Nutritional Co	Luskey Brothers & Co., Inc.

5724 APIA DR

Year	Uses	Source
2020	CHRISTOPHER MURRAY	EDR Digital Archive
	NASTASSJA BOURBOUR	EDR Digital Archive
	ARDESHIR BOURBOUR	EDR Digital Archive
	SANDRA BOURBOUR	EDR Digital Archive
2014	ARDY BOURBOUR	Cole Information
2010	ARDY BOURBOUR	Cole Information
2005	ARDESHIR BOURBOUR	Cole Information
2000	MARY MURRAY	Cole Information
1995	Murray John D	Pacific Bell
	LOEBS, LORI	Cole Information
1992	MURRAY, JOHN D	Cole Information
1991	Murray John D	Pacific Bell
1986	Murray John D	Pacific Bell
1975	Murray John D	Luskey Brothers & Co., Inc.
1970	Murray John D	General Telephone Co., of California

5734 APIA DR

Year	Uses	Source
2020	MARY DECOTEAU	EDR Digital Archive
	HENRY COTEAU	EDR Digital Archive
	HENRY DECOTEAU	EDR Digital Archive
	MEGHAN DECOTEAU	EDR Digital Archive
2014	HENRY DECOTEAU	Cole Information
2010	HENRY DECOTEAU	Cole Information
2005	HENRY DECOTEAU	Cole Information
2000	OCCUPANT UNKNOWN	Cole Information
1995	BOGGS, RVALLE	Cole Information
1992	B O L M CMNCTN	Cole Information
	BOGGS, ORVALLE	Cole Information

FINDINGS

Year	Uses	Source
1991	BOLM Communication	Pacific Bell
1986	BOLM Communication	Pacific Bell
	Boggs Orvalle	Pacific Bell
1980	Boggs Orvalle	Pacific Telephone
1975	Boggs Orvalle	Luskey Brothers & Co., Inc.
	Boggs Ruth	Luskey Brothers & Co., Inc.
1970	Boggs Orvalle	General Telephone Co., of California
	Boggs Ruth	General Telephone Co., of California

5744 APIA DR

Year	Uses	Source
2020	NICKALIS CARR	EDR Digital Archive
	PAMELA CARR	EDR Digital Archive
	TAYLOR CARR	EDR Digital Archive
	RICHARD CARR	EDR Digital Archive
2014	RICHARD CARR	Cole Information
2010	RICHARD CARR	Cole Information
2005	RICHARD CARR	Cole Information
2000	OCCUPANT UNKNOWN	Cole Information
1995	CARR, RICHARD W	Cole Information
1970	Davis Gerald	General Telephone Co., of California

5754 APIA DR

Year	Uses	Source
2020	JUSTIN NIELSEN	EDR Digital Archive
2014	RALPH ZOERLEIN	Cole Information
2010	RALPH ZOERLEIN	Cole Information
2005	RALPH ZOERLEIN	Cole Information
2000	RALPH ZOERLEIN	Cole Information
1995	OCCUPANT UNKNOWNN	Cole Information
1992	ZOERLEIN, RALPH W	Cole Information
1975	Zoerlein Ralph W	Luskey Brothers & Co., Inc.

FINDINGS

5764 APIA DR

Year	Uses	Source
2020	ANTONIO GECK	EDR Digital Archive
	MARIA GECK	EDR Digital Archive
2014	OCCUPANT UNKNOWN	Cole Information
2010	JAMIE GECK	Cole Information
2005	OCCUPANT UNKNOWN	Cole Information
2000	ANTONIO GECK	Cole Information
1995	GECK, TONY J	Cole Information

5774 APIA DR

Year	Uses	Source
2020	EDWARD CLEEK	EDR Digital Archive
	THOMAS CLEEK	EDR Digital Archive
	ELIZABETH CLEEK	EDR Digital Archive
	CARA CLEEK	EDR Digital Archive
	VIRGINIA CLEEK	EDR Digital Archive
2014	EDWARD CLEEK	Cole Information
2010	DAVID BOUCHARD	Cole Information
2005	DAVID BOUCHARD	Cole Information
2000	OCCUPANT UNKNOWN	Cole Information
1995	Neipris Michael	Pacific Bell
	NEIPRIS, MICHAEL	Cole Information
1992	NEIPRIS, MICHAEL	Cole Information

5784 APIA DR

Year	Uses	Source
2020	TOMMY GURGANUS	EDR Digital Archive
2014	TOMMY GURGANUS	Cole Information
2010	TOMMY GURGANUS	Cole Information
2005	TOMMY GURGANUS	Cole Information
2000	L RENGHART	Cole Information
1995	Renghart L	Pacific Bell
	OCCUPANT UNKNOWNN	Cole Information
1992	RENGHART, LOUISE	Cole Information

FINDINGS

Year	Uses	Source
1991	Renghart L	Pacific Bell
1986	Renghart L	Pacific Bell
1980	Reaghart L	Pacific Telephone
1975	Renghart L	Luskey Brothers & Co., Inc.
1970	Renghart L	General Telephone Co., of California

5794 APIA DR

Year	Uses	Source
2014	JOHN DEBRUIJN	Cole Information
2010	JOHN DEBRUIJN	Cole Information
2005	CARLOS BECERRA	Cole Information
2000	JOHN DEBRUIJN	Cole Information
1995	RAMIRRAMIREZ, CONNIE	Cole Information
1980	Chiang Jos	Pacific Telephone
1975	Stock Dean R	Luskey Brothers & Co., Inc.
1970	Stock Dean R	General Telephone Co., of California

5804 APIA DR

Year	Uses	Source
2020	JULIA DOUD	EDR Digital Archive
	JENNIFER RUTH	EDR Digital Archive
	DYLAN DOUD	EDR Digital Archive
	CHRISTOPHER RUTH	EDR Digital Archive
	PATTI RUTH	EDR Digital Archive
2014	CHRISTOPHER RUTH	Cole Information
2010	HAROLD PAZANTI	Cole Information
2005	CHRISTOPHER RUTH	Cole Information
2000	CHRIS RUTH	Cole Information
1995	RUTH, C A	Cole Information
1975	Boyden David	Luskey Brothers & Co., Inc.

5814 APIA DR

Year	Uses	Source
2020	PAMELA PORTILLO	EDR Digital Archive

FINDINGS

Year	Uses	Source
2020	DARRYL PORTILLO	EDR Digital Archive
2014	DARRYL PORTILLO	Cole Information
2010	DARRYL PORTILLO	Cole Information
2005	JOHN KOHLER	Cole Information
2000	SANDRA SHORT	Cole Information
1995	Short SK	Pacific Bell
	SHORT, SANDRA K	Cole Information
1992	SHORT, SANDRA K	Cole Information
1991	Short S K	Pacific Bell
1986	Short S K	Pacific Bell
1980	Short S K	Pacific Telephone

5824 APIA DR

Year	Uses	Source
2020	MARLENE BERENS	EDR Digital Archive
2014	CHRISTINE BERENS	Cole Information
2010	ROBERT WISENER	Cole Information
2000	DONALD BERENS	Cole Information
1995	OCCUPANT UNKNOWNN	Cole Information
1986	Berens Donald J	Pacific Bell
	Bishop Joel	Pacific Bell
1975	Berens Donald J	Luskey Brothers & Co., Inc.
1970	Berens Donald J	General Telephone Co., of California

5834 APIA DR

Year	Uses	Source
2020	HELIODORO SANCHEZ	EDR Digital Archive
	ABIGAIL SANCHEZ	EDR Digital Archive
	GINA ORTIZ	EDR Digital Archive
2014	SANTOS ORTIZ	Cole Information
2010	ABIGAIL ORTIZ	Cole Information
2005	ABIGAIL ORTIZ	Cole Information
2000	OCCUPANT UNKNOWN	Cole Information
1995	Brady Wanda	Pacific Bell

FINDINGS

Year	Uses	Source
1995	HICKMAN, C	Cole Information
1991	Brady Walter	Pacific Bell
1986	Brady Walter	Pacific Bell
1980	Brady Walter	Pacific Telephone
1975	McNeice Frank	Luskey Brothers & Co., Inc.

5844 APIA DR

Year	Uses	Source
2020	E THOMAS REVOC LIV IN SUTER	EDR Digital Archive
2014	OCCUPANT UNKNOWN	Cole Information
2010	ED BUTRAIGO	Cole Information
2005	GERTRUDE DUCHOVINER	Cole Information
2000	OCCUPANT UNKNOWN	Cole Information
1995	OCCUPANT UNKNOWNN	Cole Information

5854 APIA DR

Year	Uses	Source
2020	JAS WATTS	EDR Digital Archive
	AMBER WATTS	EDR Digital Archive
	BARBARA WATTS	EDR Digital Archive
2014	JAMES WATTS	Cole Information
2010	JAMES WATTS	Cole Information
2005	JAMES WATTS	Cole Information
2000	BARBARA WATTS	Cole Information
1995	MAGANA, RICHARD	Cole Information
1980	Watts Jas L	Pacific Telephone

5864 APIA DR

Year	Uses	Source
2020	JENNIE KENNEDY	EDR Digital Archive
	STEPHEN KENNEDY	EDR Digital Archive
	ERIC KENNEDY	EDR Digital Archive
	MAUREEN KENNEDY	EDR Digital Archive
2014	MICHAEL KENNEDY	Cole Information

FINDINGS

Year	Uses	Source
2010	MICHAEL KENNEDY	Cole Information
2005	MICHAEL KENNEDY	Cole Information
2000	OCCUPANT UNKNOWN	Cole Information
1995	OCCUPANT UNKNOWNN	Cole Information
1992	MASON, GARY B	Cole Information
1986	Mason Gary B	Pacific Bell
1980	Mason Gary B	Pacific Telephone
	Mason Geo @Laguna Beach@	Pacific Telephone
1970	Mc Cage Aron P	General Telephone Co., of California

5874 APIA DR

Year	Uses	Source
2020	STEVEN OLIVER	EDR Digital Archive
	GERI BROWN	EDR Digital Archive
2014	ROBERT SCHWEIKERT	Cole Information
2010	ROBERT SCHWEIKERT	Cole Information
2005	ROBERT SCHWEIKERT	Cole Information
2000	ROBERT SCHWEIKERT	Cole Information
1995	JEANS, DEREK	Cole Information

5884 APIA DR

Year	Uses	Source
2020	NICOLE MASUDA	EDR Digital Archive
	YUA-CHAU WU	EDR Digital Archive
	JOHN BARBER	EDR Digital Archive
2014	ALLEN WASSERMAN	Cole Information
2010	ALLEN WASSERMAN	Cole Information
2005	ALLEN WASSERMAN	Cole Information
1995	Manning Joseph	Pacific Bell
	MCCLAIN, CHRIS	Cole Information

5894 APIA DR

Year	Uses	Source
2020	TONIMARIE CRUZ	EDR Digital Archive

FINDINGS

Year	Uses	Source
2014	DAVIS CRUZ	Cole Information
2010	ROBERT JOHNSON	Cole Information
2005	ROBERT JOHNSON	Cole Information
2000	JUDY JOHNSON	Cole Information
1995	Hull Edw ard & Judy	Pacific Bell
	OCCUPANT UNKNOWNN	Cole Information
1991	Roberts J	Pacific Bell
1986	Roberts Melvn L	Pacific Bell
1975	Roberts Melvin L	Luskey Brothers & Co., Inc.

APIA OR

5824 APIA OR

Year	Uses	Source
1980	Berens Donald J	Pacific Telephone

BAILEY ST

11842 BAILEY ST

Year	Uses	Source
2020	TOTAL PAINTING	EDR Digital Archive
	CAROL ROSATO	EDR Digital Archive
	IRENE ORTEGA	EDR Digital Archive
2014	CRYSTAL HEBERT	Cole Information
	DESIREE MORALES	Cole Information
2010	TOTAL PAINTING	Cole Information
	YVONNE HARRIS	Cole Information
2005	CAA	Cole Information
	LOCRITE TRADING CO	Cole Information
	TOTAL PAINTING	Cole Information
	LUXURY CLUB	Cole Information
	KIMA	Cole Information
	JOANN DENDEKKER	Cole Information
	SUNG KIM	Cole Information
2000	ROBERT HENRY	Cole Information

FINDINGS

Year	Uses	Source
2000	JOANN DENDEKKER	Cole Information
1995	DOWLING, FAITH	Cole Information
	LUCAS, NANCY J	Cole Information
1992	IVERSON, ROBERT	Cole Information
	HOLCOMB, LAURENE	Cole Information
1991	Davis Jon Kevin	Pacific Bell
	Iverson Robt & Christa	Pacific Bell
1986	Jones J	Pacific Bell
1980	Mittelstadt Richard	Pacific Telephone
	Mittelstaedt Thos D	Pacific Telephone
	Valencia Mark & Tina	Pacific Telephone
1975	Medders Robt W	Luskey Brothers & Co., Inc.
	Varley Kenny	Luskey Brothers & Co., Inc.
	Varley Mike L	Luskey Brothers & Co., Inc.
	Varley Myndie J	Luskey Brothers & Co., Inc.
	Gall Jarvis C	Luskey Brothers & Co., Inc.
	Medders Robert W	Luskey Brothers & Co., Inc.
1970	Lefevers Floyd Dr	General Telephone Co., of California
1966	Hines Thos V	Pacific Telephone
	Stimson Craig A	Pacific Telephone

11851 BAILEY ST

Year	Uses	Source
2020	EUN JUNG	EDR Digital Archive
	ANDREW ARCHULETA	EDR Digital Archive
2014	DELANY HEYNE	Cole Information
	GREG MERRIFIELD	Cole Information
	KENNY PAQUETTE	Cole Information
2010	LORI MUNOZ	Cole Information
	SUNSHINE AKERS	Cole Information
	TONY ARCHULETA	Cole Information
2005	PATRICK LEONE	Cole Information
	TONY ARCHULETA	Cole Information

FINDINGS

Year	Uses	Source
2005	JO WELCH	Cole Information
2000	LOAN NGUYEN	Cole Information
1995	VACA, JOSE	Cole Information
1992	BOLL, D	Cole Information
	JAVIER, LORI	Cole Information
1986	Mac Ewen K S	Pacific Bell
	Mc Donald Timothy	Pacific Bell
1980	Rooker B	Pacific Telephone
	Stanley KS	Pacific Telephone
	Thomas M A	Pacific Telephone
1975	Anderson Kenneth G	Luskey Brothers & Co., Inc.
	Connick Joe	Luskey Brothers & Co., Inc.
	Anderson Kenneth G	Luskey Brothers & Co., Inc.
	Watkins G L	Luskey Brothers & Co., Inc.
1970	Davis Priscilla	General Telephone Co., of California
	Sohn Stephen	General Telephone Co., of California
1966	Davis Priscilla	Pacific Telephone

11852 BAILEY ST

Year	Uses	Source
2020	JAMES HOLMES	EDR Digital Archive
	MARK WASHINGTON	EDR Digital Archive
	JOYCE SIROONIAN	EDR Digital Archive
2014	TUE TIEU	Cole Information
	STEPHANIE PIERCE	Cole Information
	JAMES HOLMES	Cole Information
	REBECCA POUNDS	Cole Information
2005	ERIC OLSEN	Cole Information
	JORGE MIRANDA	Cole Information
	LAVONNE EARP	Cole Information
	YOUNG CHOE	Cole Information
	KENNY THOMAS	Cole Information
	RYAN MEDLIN	Cole Information

FINDINGS

Year	Uses	Source
2005	ELSIE ANDERSON	Cole Information
2000	ALYCE RICHCREEK	Cole Information
1995	ANDERSON, WENDI	Cole Information
	JOHNSON, V	Cole Information
1992	TUPER, JERRY	Cole Information
	CHRISTESEN, ANKER	Cole Information
	FOREMSKI, RICHARD	Cole Information
1991	Christesen Anker	Pacific Bell
	Tuper Jerry & M	Pacific Bell
1986	Foremski Richard	Pacific Bell
	Kinnee Michael	Pacific Bell
1980	Nixon P	Pacific Telephone
1975	Henderson Braxton C	Luskey Brothers & Co., Inc.
	Morris Geo T	Luskey Brothers & Co., Inc.
1970	Donnelly Dennis H	General Telephone Co., of California
	Henderson Braxton C	General Telephone Co., of California

11861 BAILEY ST

Year	Uses	Source
2020	SANG LIM	EDR Digital Archive
	RICHARD PRZYBYLOWSKI	EDR Digital Archive
2014	BEON KIM	Cole Information
	ANDREW HENDERSON	Cole Information
	SANG LIM	Cole Information
	SOON KWUN	Cole Information
2010	BEON KIM	Cole Information
	JENNIFER HENDERSON	Cole Information
	EHRENTRAUD PRZYBYLOWSKI	Cole Information
2005	BEON KIM	Cole Information
	JUNG HWANG	Cole Information
	MELANIE BALDWIN	Cole Information
	JOUNG LEE	Cole Information
	D OAK	Cole Information

FINDINGS

Year	Uses	Source
2005	EHRENTRAUD PRZYBYLOWSKI	Cole Information
2000	SUN OK	Cole Information
	JAE SON	Cole Information
1995	FOREMAN, TERI	Cole Information
1991	Kefalas Lisa	Pacific Bell
	Purcell Laurence	Pacific Bell
	Purcell Law rence	Pacific Bell
	Purcell Lois J	Pacific Bell
1986	Purcell Laurence	Pacific Bell
1980	Turman dean	Pacific Telephone
	Nielsen Kevin	Pacific Telephone
	Purcell Laurence	Pacific Telephone
	Purcell Lois J	Pacific Telephone
1975	Angermaier Anne	Luskey Brothers & Co., Inc.
	Angermaier Philip J	Luskey Brothers & Co., Inc.
	Connelly C M	Luskey Brothers & Co., Inc.
	Connelly C M Rene	Luskey Brothers & Co., Inc.
1970	Hillmeyer John EJr	General Telephone Co., of California
	Hood Edw	General Telephone Co., of California
1966	Bennett Gerald R	Pacific Telephone

11862 BAILEY ST

Year	Uses	Source
2020	KARINA RIOS	EDR Digital Archive
2014	TOTAL PAINTING	Cole Information
	MANDY WALKER	Cole Information
	CHONG HWANG	Cole Information
	PATRICIA CANO	Cole Information
	AARON JONES	Cole Information
2010	NIKKI LEWIS	Cole Information
	CHONG HWANG	Cole Information
	RICK POLINSKI	Cole Information
	NAM YOO	Cole Information

FINDINGS

Year	Uses	Source
2005	VINCENT DINSH	Cole Information
	SUSAN ADAMS	Cole Information
	BRUCE BUFFORD	Cole Information
	RICK POLINSKI	Cole Information
	NAM YOO	Cole Information
2000	TERRY BIBBS	Cole Information
	PAT TURNER	Cole Information
	R POLINSKI	Cole Information
1995	Palacios George	Pacific Bell
	Polinski R	Pacific Bell
	Turner Pat	Pacific Bell
	POLINSKI, R	Cole Information
	TURNER, PAT	Cole Information
	MANLEY, BRIAN	Cole Information
1992	REZENDES, R	Cole Information
1986	Akstin Mary	Pacific Bell
	Honeycutt Jack	Pacific Bell
	Rabonza Peter F	Pacific Bell
1980	Sellhan Eugene & Sherri	Pacific Telephone
	Zarp Richard	Pacific Telephone
1975	Braun Richard L	Luskey Brothers & Co., Inc.
	Currier Lorraine	Luskey Brothers & Co., Inc.
	Meyer Gregory	Luskey Brothers & Co., Inc.
	Robbins Charlene	Luskey Brothers & Co., Inc.
	Braun Richard L	Luskey Brothers & Co., Inc.
	Willis James B Karen	Luskey Brothers & Co., Inc.
1970	Oftelie Stanley	General Telephone Co., of California

11871 BAILEY ST

Year	Uses	Source
2020	PATRICIA PEREZ	EDR Digital Archive
	RONALD BOTWIN	EDR Digital Archive
	YVONNE CHASE	EDR Digital Archive

FINDINGS

Year	Uses	Source
2020	ALDEN ALLEN	EDR Digital Archive
	RUTH MWAYERA	EDR Digital Archive
2014	VIVIEN ROBLES	Cole Information
	RUTH MWAYERA	Cole Information
2010	VIVIEN ROBLES	Cole Information
2000	M HOBAUGH	Cole Information
	GLORIA WARGO	Cole Information
1995	POPLIN, A	Cole Information
1986	Pagnella Z L	Pacific Bell
	Ross Patricia	Pacific Bell
1980	Cadwell Dolores	Pacific Telephone
	Cadwell Esther P	Pacific Telephone
	Lurker Robt	Pacific Telephone
	Pagnella Z L	Pacific Telephone
	Soils Doris L	Pacific Telephone
1975	Hobbs Michael D	Luskey Brothers & Co., Inc.
	Pulice B	Luskey Brothers & Co., Inc.
	Wade Ray R	Luskey Brothers & Co., Inc.
1970	Rich Jerald W	General Telephone Co., of California
1966	H & O Escort Serv	Pacific Telephone
	Pfleiderer Wayne D	Pacific Telephone
	Rawson Fred	Pacific Telephone
	Tallman Frank A	Pacific Telephone

11882 BAILEY ST

Year	Uses	Source
2020	YVONNE GERMAN	EDR Digital Archive
	JANEEN GERMAN	EDR Digital Archive
	SUSAN TORRES	EDR Digital Archive
2014	JOSE SILVA	Cole Information
	REGINA WILLIAMS	Cole Information
2010	EUN CHA	Cole Information
	BARBARA RAY	Cole Information

FINDINGS

Year	Uses	Source
2010	JANEEN GERMAN	Cole Information
	EDITH GOMEZ	Cole Information
	MELISSA WILLIAMS	Cole Information
2005	EUN CHA	Cole Information
	DENNIS GRANT	Cole Information
	ROBERT PURCELL	Cole Information
	WENDY SEITZ	Cole Information
	BARBARA RAY	Cole Information
2000	DOUG KINTZLE	Cole Information
	BO TANNEHILL	Cole Information
1995	Smith Dennis	Pacific Bell
	Zimrner Val	Pacific Bell
	SMITH, DENNIS	Cole Information
1992	CHEN, A	Cole Information
1991	Chen A & M	Pacific Bell
1986	Anderson Norman F	Pacific Bell
	Caulfield John	Pacific Bell
	Duncan Larry	Pacific Bell
1980	I Kaiser Jos L	Pacific Telephone
	Anderson Norman F	Pacific Telephone
1975	Anderson Norman F	Luskey Brothers & Co., Inc.
	Lepire Georgia	Luskey Brothers & Co., Inc.
	Pinkert Michael L	Luskey Brothers & Co., Inc.
	Whalen Keith W	Luskey Brothers & Co., Inc.
	Anderson Norman F Dorothy	Luskey Brothers & Co., Inc.
	Lepire Georgia	Luskey Brothers & Co., Inc.
1970	Frisbie Michael	General Telephone Co., of California
1966	Anderson Norman F	Pacific Telephone
	Garrison Ted	Pacific Telephone
	Haloski John	Pacific Telephone

FINDINGS

BAILY

11842 BAILY

Year	Uses	Source
1966	Carter Jas L	Pacific Telephone

11852 BAILY

Year	Uses	Source
1966	Ernst Robt L	Pacific Telephone

11862 BAILY

Year	Uses	Source
1966	Burdeno Paul L	Pacific Telephone

BALLY

11852 BALLY

Year	Uses	Source
1966	Henderson Braxton C	Pacific Telephone

GUAM CIR

11677 GUAM CIR

Year	Uses	Source
2014	BRAD MASTROS	Cole Information
2010	BRAD MASTROS	Cole Information
2005	BRAD MASTROS	Cole Information
1995	Mastros Marvin	Pacific Bell
	MASTROS, MARVIN	Cole Information
1992	MASTROS, MARVIN	Cole Information
1980	Mastros Marvin & Cynthia	Pacific Telephone

11678 GUAM CIR

Year	Uses	Source
2014	SUSAN WALKER	Cole Information
2010	SUSAN WALKER	Cole Information
2005	SUSAN WALKER	Cole Information
1986	Apartment Owner Builder Magazine	Pacific Bell

FINDINGS

Year	Uses	Source
1980	Apartment Owner Builder Magazine	Pacific Telephone
1975	Banner H E	Luskey Brothers & Co., Inc.

11687 GUAM CIR

Year	Uses	Source
2020	SHERRI MURPHY	EDR Digital Archive
2014	JAMES MURPHY	Cole Information
2010	JAMES MURPHY	Cole Information
2005	JAMES MURPHY	Cole Information
2000	OCCUPANT UNKNOWN	Cole Information
1995	MURPHY, JAMES M	Cole Information
1975	Romero Rosendo	Luskey Brothers & Co., Inc.

11688 GUAM CIR

Year	Uses	Source
2020	MARY MERRY	EDR Digital Archive
2014	BRIAN MERRY	Cole Information
2010	BERNARD MERRY	Cole Information
2005	BERNARD MERRY	Cole Information
2000	BERNARD MERRY	Cole Information
1995	MERRY, BERNARD R	Cole Information
1992	MERRY, BERNARD R	Cole Information
1991	Merry Bernard R	Pacific Bell
1986	Merry Bernard R	Pacific Bell
1980	Merry Bernard R	Pacific Telephone

11690 GUAM CIR

Year	Uses	Source
2020	MARCO RONGEN	EDR Digital Archive
	KATIE RONGEN	EDR Digital Archive
	MELISSA RONGEN	EDR Digital Archive
	BROOKE RONGEN	EDR Digital Archive
2014	MARCO RONGEN	Cole Information
2010	MARCO RONGEN	Cole Information

FINDINGS

Year	Uses	Source
2005	MARCO RONGEN	Cole Information
1986	Mallzio M D	Pacific Bell

11691 GUAM CIR

Year	Uses	Source
2020	JAY HAYHURST	EDR Digital Archive
	ROBERT SOSSAMAN	EDR Digital Archive
	KIRK HAYHURST	EDR Digital Archive
	BRAD BURBICH	EDR Digital Archive
2014	OCCUPANT UNKNOWN	Cole Information
2010	KIRK HAYHURST	Cole Information
2005	KIRK HAYHURST	Cole Information
2000	ADELE HAYHURST	Cole Information
1995	FEHR, HEIDI J	Cole Information

11692 GUAM CIR

Year	Uses	Source
2020	SEAN KOGA	EDR Digital Archive
2014	SEAN KOGA	Cole Information
2010	SEAN KOGA	Cole Information
2005	SEAN KOGA	Cole Information
2000	SHERI FUJINO	Cole Information
1995	Tran Cindy	Pacific Bell
	TRAN, CINDY	Cole Information

11693 GUAM CIR

Year	Uses	Source
2020	ERIC NYQUIST	EDR Digital Archive
	LINDA NYQUIST	EDR Digital Archive
2014	ERIC NYQUIST	Cole Information
2010	ERIC NYQUIST	Cole Information
2005	ERIC NYQUIST	Cole Information
2000	ERIC NYQUIST	Cole Information
1995	Nyquist Erlc J	Pacific Bell

FINDINGS

Year	Uses	Source
1995	NYQUIST, ERIC J	Cole Information
1986	Dees Nancy	Pacific Bell
	Denardo Vincent	Pacific Bell

11697 GUAM CIR

Year	Uses	Source
2020	ARLENE DULCE	EDR Digital Archive
	PHILIP DULCE	EDR Digital Archive
2014	PHILIP DULCE	Cole Information
2010	PHILIP DULCE	Cole Information
2005	OCCUPANT UNKNOWN	Cole Information
1986	Dean Lee	Pacific Bell
1980	Stiehr Mark	Pacific Telephone

11698 GUAM CIR

Year	Uses	Source
2020	DIANE SHIGEKAWA	EDR Digital Archive
2014	DIANE SHIGEKAWA	Cole Information
2010	DIANE SHIGEKAWA	Cole Information
2005	DIANE SHIGEKAWA	Cole Information

11699 GUAM CIR

Year	Uses	Source
2020	CUSTOM LANDSCAPING	EDR Digital Archive
	JASON CHIKAMI	EDR Digital Archive
	JERI CHIKAMI	EDR Digital Archive
	DEAN CHIKAMI	EDR Digital Archive
2014	OCCUPANT UNKNOWN	Cole Information
2010	CUSTOM LANDSCAPING	Cole Information
	OCCUPANT UNKNOWN	Cole Information
2005	NATSUMI MOTOMURA	Cole Information

FINDINGS

JAVA ST

11625 JAVA ST

Year	Uses	Source
2020	DAVID HEMMEN	EDR Digital Archive
	EVELINA HEMMEN	EDR Digital Archive
2014	DAVID HEMMEN	Cole Information
2010	DAVID HEMMEN	Cole Information
2005	DAVID HEMMEN	Cole Information
2000	OCCUPANT UNKNOWN	Cole Information
1995	SCHOOLER, J	Cole Information
1992	MORENO, J	Cole Information
1991	Moreno J	Pacific Bell
1986	Lambert Jim	Pacific Bell
1975	Wallander Dale B	Luskey Brothers & Co., Inc.

11635 JAVA ST

Year	Uses	Source
2020	JOHN LAWRENCE	EDR Digital Archive
	SAMUEL LAWRENCE	EDR Digital Archive
	NANCY LAWRENCE	EDR Digital Archive
2014	JOHN LAWRENCE	Cole Information
2010	SAMUEL LAWRENCE	Cole Information
2005	NANCY LAWRENCE	Cole Information
2000	NANCY LAWRENCE	Cole Information
1995	Law rence John	Pacific Bell
	LAWRENCE, JOHN	Cole Information
1992	LAWRENCE, JOHN	Cole Information
1991	Law rence Joln	Pacific Bell
1986	Law rence John	Pacific Bell
1980	Wilhite Michael B	Pacific Telephone
1975	Delpit Robt J	Luskey Brothers & Co., Inc.

FINDINGS

11645 JAVA ST

Year	Uses	Source
2020	LILIAN DINH	EDR Digital Archive
	TIEN DINH	EDR Digital Archive
2014	TIEN DINH	Cole Information
2005	HUONG DINH	Cole Information
2000	TIEN DINH	Cole Information
1995	OCCUPANT UNKNOWNN	Cole Information

11655 JAVA ST

Year	Uses	Source
2020	WILLIAM MORIMOTO	EDR Digital Archive
	KENDALL MORIMOTO	EDR Digital Archive
	KAREN MORIMOTO	EDR Digital Archive
2014	KEVIN MORIMOTO	Cole Information
2010	WILLIAM MORIMOTO	Cole Information
2005	WILLIAM MORIMOTO	Cole Information
2000	WILLIAM MORIMOTO	Cole Information
1995	Morimato Wml	Pacific Bell
	MORIMOTO, WILLIAM I	Cole Information
1992	MORIMOTO, WILLIAM I	Cole Information
1986	Monmoto Wm I	Pacific Bell
1980	Morimoto Wm I	Pacific Telephone
1975	Morimoto Wm I	Luskey Brothers & Co., Inc.

11665 JAVA ST

Year	Uses	Source
2020	ALMA HERRARA	EDR Digital Archive
	EVAN GURNEY	EDR Digital Archive
	SANDRA GURNEY	EDR Digital Archive
2014	EVAN GURNEY	Cole Information
2010	EVAN GURNEY	Cole Information
2005	EVAN GURNEY	Cole Information
2000	EVAN GURNEY	Cole Information
1995	SQUADERE, STEVEN L	Cole Information

FINDINGS

Year	Uses	Source
1980	Schlansky Mark	Pacific Telephone

11675 JAVA ST

Year	Uses	Source
2020	DAWN KNOPP	EDR Digital Archive
	ALYSSA KNOPP	EDR Digital Archive
	D REVOC KNOPP	EDR Digital Archive
	HARRY KNOPP	EDR Digital Archive
2014	OCCUPANT UNKNOWN	Cole Information
2010	OCCUPANT UNKNOWN	Cole Information
2000	HARRY KNOPP	Cole Information
1995	OCCUPANT UNKNOWNN	Cole Information

11676 JAVA ST

Year	Uses	Source
2020	SUZANNA CASTILLO	EDR Digital Archive
2014	EDWARD CASTILLO	Cole Information
2010	EDWARD CASTILLO	Cole Information
2005	EDWARD CASTILLO	Cole Information
2000	OCCUPANT UNKNOWN	Cole Information
1992	PHILLIPS, MAUDE W	Cole Information
1991	Phillips M	Pacific Bell
1986	Phillips M	Pacific Bell
1980	Phillips M	Pacific Telephone
1975	Phillips M	Luskey Brothers & Co., Inc.

11685 JAVA ST

Year	Uses	Source
2020	SUHAILY JAUREGUI	EDR Digital Archive
	FRANCISCO CONSTANTINO	EDR Digital Archive
	VIDAL JAUREGUI	EDR Digital Archive
	GUADALUPE JAUREGUI	EDR Digital Archive
2014	VIDAL JAUREGUI	Cole Information
2010	VIDAL JAUREGUI	Cole Information

FINDINGS

Year	Uses	Source
2005	VIDAL JAUREGUI	Cole Information
2000	MOHAMMA KHAN	Cole Information
1995	Woo Yorng	Pacific Bell
	WOO, YONG	Cole Information
1992	WOO, YONG	Cole Information
1991	Woo Yong	Pacific Bell
1975	Hensley Wm	Luskey Brothers & Co., Inc.

11686 JAVA ST

Year	Uses	Source
2020	DANIELLE VALENTIN	EDR Digital Archive
	RAYMOND VALENTIN	EDR Digital Archive
	BRENNAN GILLAM	EDR Digital Archive
	TIMOTHY GILLAM	EDR Digital Archive
	KYLE GILLAM	EDR Digital Archive
2014	DANIELLE VALENTIN	Cole Information
2005	DANIELLE VALENTIN	Cole Information
2000	TIMOTHY GILLAM	Cole Information
1980	Smith N	Pacific Telephone

11694 JAVA ST

Year	Uses	Source
2020	KATHERINE MCMONEGAL	EDR Digital Archive
	FREDRIC ROBART	EDR Digital Archive
2014	UMER KHAN	Cole Information
2010	UMER KHAN	Cole Information
2005	STARDOM FILMS CO	Cole Information
	RAVEN COMPUTERS	Cole Information
	UMER KHAN	Cole Information
2000	FRANK KAHN	Cole Information
1995	ORAHA, WIELET	Cole Information
1991	Verdehyou Shamireh	Pacific Bell
1975	Straw Bert E	Luskey Brothers & Co., Inc.

FINDINGS

11695 JAVA ST

Year	Uses	Source
2010	OCCUPANT UNKNOWN	Cole Information
2005	OCCUPANT UNKNOWN	Cole Information
1995	GOODMAN, RON A	Cole Information
1991	Rupp Fred E Jr	Pacific Bell
1980	Semi Iraj	Pacific Telephone
1975	Rigg Alyth	Luskey Brothers & Co., Inc.
	Rigg Geo A	Luskey Brothers & Co., Inc.

11696 JAVA ST

Year	Uses	Source
2020	ERINDALE PUBLISHING	EDR Digital Archive
	KAREN SELIGMAN	EDR Digital Archive
	SHARON SELIGMAN	EDR Digital Archive
	MYNABELLE SELIGMAN	EDR Digital Archive
	COURTNEY SELIGMAN	EDR Digital Archive
	LIBBY SELIGMAN	EDR Digital Archive
2014	COURTNEY SELIGMAN	Cole Information
2010	COURTNEY SELIGMAN	Cole Information
2005	ERINDALE PUBLISHING	Cole Information
	COURTNEY SELIGMAN	Cole Information
1980	Sami Iraj	Pacific Telephone
1975	Drey Jack W	Luskey Brothers & Co., Inc.

MANILA DR

11623 MANILA DR

Year	Uses	Source
2020	STEVEN SCHLIEPER	EDR Digital Archive
2014	CATHRYN SCHLIEPER	Cole Information
2010	CATHRYN SCHLIEPER	Cole Information
2005	CATHRYN SCHLIEPER	Cole Information
2000	KARONE DANIEL	Cole Information
1995	Schlieper Steven M	Pacific Bell

FINDINGS

Year	Uses	Source
1995	SCHLIEPER, STEVEN M	Cole Information
1992	SCHLIEPER, STEVEN M	Cole Information
1991	Scltlieper Steven M	Pacific Bell
1986	Schlieper Steven M	Pacific Bell
1980	S chleper Steven M	Pacific Telephone
1975	Schlieper Steven M	Luskey Brothers & Co., Inc.
1970	Schilieper Steven M	General Telephone Co., of California

11624 MANILA DR

Year	Uses	Source
2020	ELVIA MENA	EDR Digital Archive
	NELSON MENA	EDR Digital Archive
	ELIZABETH MENA	EDR Digital Archive
2014	NELSON MENA	Cole Information
2010	OCCUPANT UNKNOWN	Cole Information
2005	LUCAS KING	Cole Information
2000	JOSEPH CUSIMANO	Cole Information
1995	Cusimano Jos	Pacific Bell
	LACHOFF, JEANNE	Cole Information
1992	CUSIMANO, JOSEPH	Cole Information
1991	Cusimano Jos	Pacific Bell
	Cusimano Jos	Pacific Bell
1986	Cusimano Jos	Pacific Bell
	Cusimano Jos	Pacific Bell
1980	Cusimano Jos	Pacific Telephone
1975	Cusimano Jos	Luskey Brothers & Co., Inc.

11633 MANILA DR

Year	Uses	Source
2020	DANIELLE MARTINEZ	EDR Digital Archive
	ANITA MARTINEZ	EDR Digital Archive
	ANTONIO MARTINEZ	EDR Digital Archive
2014	ANITA MARTINEZ	Cole Information
2005	OCCUPANT UNKNOWN	Cole Information

FINDINGS

Year	Uses	Source
2000	ANNA ESPINOSA	Cole Information
1995	OCCUPANT UNKNOWNN	Cole Information
1991	Mart Inez Antonio	Pacific Bell
	Martinez Antonio D	Pacific Bell
1970	Martinez Antonio	General Telephone Co., of California

11634 MANILA DR

Year	Uses	Source
2020	AMBER ADAMS	EDR Digital Archive
	REBECCA ADAMS	EDR Digital Archive
	GEORGE ADAMS	EDR Digital Archive
2014	GEORGE ADAMS	Cole Information
2010	DIGITAL CUTTING ROOM	Cole Information
	GEORGE ADAMS	Cole Information
2005	OCCUPANT UNKNOWN	Cole Information
2000	C MEADOWS	Cole Information
1995	Meadow s C	Pacific Bell
	Meadow s Robt	Pacific Bell
	MEADOWS, ROBERT	Cole Information
1992	MEADOWS, ROBERT	Cole Information
1991	Meadow s Robt	Pacific Bell
1986	Meadow s Robt	Pacific Bell
1980	Meadow s Robt	Pacific Telephone
1975	Meadow s Robt	Luskey Brothers & Co., Inc.

11643 MANILA DR

Year	Uses	Source
2020	BEVERLY SWANSON	EDR Digital Archive
2014	BEVERLY SWANSON	Cole Information
2010	OCCUPANT UNKNOWN	Cole Information
2005	CHAD SWANSON	Cole Information
2000	OCCUPANT UNKNOWN	Cole Information
1995	Sw anson B & Gary	Pacific Bell
	LOWERY, E	Cole Information

FINDINGS

Year	Uses	Source
1992	SWANSON, BEVERLY J	Cole Information
1991	Swanson B & Gary	Pacific Bell
1986	Swanson B & Gary	Pacific Bell

11644 MANILA DR

Year	Uses	Source
2020	SEWEIRD	EDR Digital Archive
	DONG LEE	EDR Digital Archive
	LEE CHENG-CHING	EDR Digital Archive
	EVELYN LEE	EDR Digital Archive
	CAROL ADKINS	EDR Digital Archive
	HAN LEE	EDR Digital Archive
	SUNG LEE	EDR Digital Archive
2014	EVELYN LEE	Cole Information
2010	OCCUPANT UNKNOWN	Cole Information
2005	OCCUPANT UNKNOWN	Cole Information
2000	C ADKINS	Cole Information
1995	Adkins Clifford L	Pacific Bell
	Adkins Matthew	Pacific Bell
	ADKINS, C L	Cole Information
1992	ADKINS, MATTHEW	Cole Information
1991	Adkins Clifford L	Pacific Bell
	Adkins D&J	Pacific Bell
	Adkins Dan @Huntington Beach@	Pacific Bell
	Adkins Matthew	Pacific Bell
1986	Adkins Clifford L	Pacific Bell
1980	Adkins Clifford L	Pacific Telephone
1975	Adkins Clifford L	Luskey Brothers & Co., Inc.
1970	Adkins Clifford L	General Telephone Co., of California

11653 MANILA DR

Year	Uses	Source
2020	GLORIA POTOCKI	EDR Digital Archive
2014	GLORIA POTOCKI	Cole Information

FINDINGS

Year	Uses	Source
2010	GLORIA POTOCKI	Cole Information
2005	GLORIA POTOCKI	Cole Information
2000	GLORIA POTOCKI	Cole Information
1995	POTOCKI, GLORIA J	Cole Information

11654 MANILA DR

Year	Uses	Source
2020	DDSA INDUSTRIES LLC	EDR Digital Archive
	DUANE GREAVER	EDR Digital Archive
	SHEILA GREAVER	EDR Digital Archive
2014	HARRY KNOPP	Cole Information
2010	HARRY KNOPP	Cole Information
2005	HARRY KNOPP	Cole Information
2000	HARRY KNOPP	Cole Information
1995	Knopp Harry T	Pacific Bell
	KNOPP, HARRY T	Cole Information
1992	KNOPP, HARRY T	Cole Information
1991	Knopp Harry T	Pacific Bell
	Knopp Tammy @Huntington Beach@	Pacific Bell
	Knoppel Gene & Shari @Huntington Beach@	Pacific Bell
1980	Knapp Harry T	Pacific Telephone
1975	Knopp Harry T	Luskey Brothers & Co., Inc.

11663 MANILA DR

Year	Uses	Source
2020	MEGHAN SHOOP	EDR Digital Archive
	THERESE SHOOP	EDR Digital Archive
	GREGORY SHOOP	EDR Digital Archive
2014	GREGORY SHOOP	Cole Information
2010	GREGORY SHOOP	Cole Information
2005	GREGORY SHOOP	Cole Information
2000	GREGORY SHOOP	Cole Information
1995	SHOOP, GREGORY J	Cole Information

FINDINGS

Year	Uses	Source
1975	Morrell Richard J	Luskey Brothers & Co., Inc.

11664 MANILA DR

Year	Uses	Source
2020	AARON UNG	EDR Digital Archive
2014	ESALIND HICKS	Cole Information
2010	ERNESTO TESORO	Cole Information
2005	OCCUPANT UNKNOWN	Cole Information
2000	ERIN SKAGGS	Cole Information
1995	Tesoro Ernesto	Pacific Bell
	TESORO, ERNESTO	Cole Information
1992	TESORO, ERNESTO	Cole Information
1991	Tesorornesto	Pacific Bell
	Tesoro Jeff&Lmda @Fountain Valley@	Pacific Bell
1980	Skaggs David	Pacific Telephone
1970	Tesoro Ernesto	General Telephone Co., of California
	Tesoro Rosalihda E	General Telephone Co., of California

11673 MANILA DR

Year	Uses	Source
2020	LINDSEY FENOGLIO	EDR Digital Archive
	ANGINEH STORINO	EDR Digital Archive
	BRETT FENOGLIO	EDR Digital Archive
	ALEXANDER STORINO	EDR Digital Archive
2014	BILL FENOGLIO	Cole Information
2010	SANDRA FENOGLIO	Cole Information
2005	BILL FENOGLIO	Cole Information
2000	BILL FENOGLIO	Cole Information
1995	Fenoglio Bll	Pacific Bell
	FENOGLIO, BILL	Cole Information
1992	FENOGLIO, BILL	Cole Information
1991	Fenoglio Bill	Pacific Bell
1986	Fenoglio Bill	Pacific Bell
1980	Fenoglio Bil	Pacific Telephone

FINDINGS

Year	Uses	Source
1975	Moffa Aldo M	Luskey Brothers & Co., Inc.
1970	Wilhelm Walter R	General Telephone Co., of California

11674 MANILA DR

Year	Uses	Source
2020	RENEE WATKINS	EDR Digital Archive
	JACK WATKINS	EDR Digital Archive
2014	JACK WATKINS	Cole Information
2010	JACK WATKINS	Cole Information
2005	JACK WATKINS	Cole Information
2000	OCCUPANT UNKNOWN	Cole Information
1995	WATKINS, JACK E	Cole Information
1975	Watkins J E	Luskey Brothers & Co., Inc.

11683 MANILA DR

Year	Uses	Source
2020	KAREN RILEY	EDR Digital Archive
	JOSEPHINE RILEY	EDR Digital Archive
	MICHAEL RILEY	EDR Digital Archive
	NATHANIEL RILEY	EDR Digital Archive
2014	MICHAEL RILEY	Cole Information
2010	MICHAEL RILEY	Cole Information
2005	MICHAEL RILEY	Cole Information
2000	MICHAEL RILEY	Cole Information
1995	Riley Michael D	Pacific Bell
	RILEY, MICHAEL D	Cole Information
1992	RILEY, MICHAEL D	Cole Information
1991	Riley Michael D	Pacific Bell
1986	Riley Michael D	Pacific Bell
1980	Riley Michael D	Pacific Telephone

11684 MANILA DR

Year	Uses	Source
2020	CAROLINE BROWN	EDR Digital Archive

FINDINGS

Year	Uses	Source
2020	DONALD BROWN	EDR Digital Archive
	PHYLLIS BROWN	EDR Digital Archive
2014	DON BROWN	Cole Information
2010	DON BROWN	Cole Information
2005	OCAIFA	Cole Information
	ORANGE COUNTY ASSN OF INSURANCE & FI	Cole Information
	DON BROWN	Cole Information
2000	OCCUPANT UNKNOWN	Cole Information
1995	LAFEY, ROBERT A	Cole Information
1986	Henderson Aaron	Pacific Bell
1980	Myers Terry R	Pacific Telephone

11693 MANILA DR

Year	Uses	Source
2020	HIROATSU YOSHIKURA	EDR Digital Archive
	YOSHIKURA YOSHIE	EDR Digital Archive
	JIMMY YOSHIKURA	EDR Digital Archive
2014	JUKIO YOSHIKURA	Cole Information
2010	SHIZUKO YOSHIKURA	Cole Information
2005	SHIZUKO YOSHIKURA	Cole Information
2000	YUKIO YOSHIKURA	Cole Information
1980	Yoshlkura Yukio	Pacific Telephone

11694 MANILA DR

Year	Uses	Source
2020	COLLEEN BEASLEY	EDR Digital Archive
2014	COLLEEN BEASLEY	Cole Information
2010	OCCUPANT UNKNOWN	Cole Information
2005	OCCUPANT UNKNOWN	Cole Information
1995	OCCUPANT UNKNOWNN	Cole Information
1992	TREECE C RCNG STBLE	Cole Information
1991	Treece Chas S Racing Stable	Pacific Bell
1986	Kim Jln Soo	Pacific Bell

FINDINGS

Year	Uses	Source
1980	Discount Telephone Equipment Center	Pacific Telephone
1975	Gurge J V	Luskey Brothers & Co., Inc.
1970	Reeves Ernest A	General Telephone Co., of California

MIDWAY AVE

10603 MIDWAY AVE

Year	Uses	Source
1995	D&T Manufacturing	Pacific Bell

MIDWAY DR

11610 MIDWAY DR

Year	Uses	Source
2020	TAMMY HERRERA	EDR Digital Archive
	JOHN LIN	EDR Digital Archive
	CHRISTINA HERRERA	EDR Digital Archive
	ARTURO HERRERA	EDR Digital Archive
	ROBERT HERRERA	EDR Digital Archive
2014	ARTURO HERRERA	Cole Information
2010	ATCR SERVICES	Cole Information
	TSUNG LIN	Cole Information
2005	TSUNG LIN	Cole Information
2000	OCCUPANT UNKNOWN	Cole Information
1995	RODRIGUEZ, JUDY A	Cole Information
1991	Steinberg E	Pacific Bell
1975	Borg John M	Luskey Brothers & Co., Inc.
	Kertis Edw	Luskey Brothers & Co., Inc.

11619 MIDWAY DR

Year	Uses	Source
2020	KLAUS BEUCK	EDR Digital Archive
	DORIS BEUCK	EDR Digital Archive
2014	KLAUS BEUCK	Cole Information
2010	KLAUS BEUCK	Cole Information

FINDINGS

Year	Uses	Source
2005	KLAUS BEUCK	Cole Information
2000	KLAUS BEUCK	Cole Information
1995	BEUCK, KLAUS	Cole Information
1992	BEUCK, KLAUS	Cole Information
1991	Beuck Klaus	Pacific Bell
1986	Beuck Klaus	Pacific Bell
1980	Beuck Klaus	Pacific Telephone
1975	Beuck Klaus	Luskey Brothers & Co., Inc.
1970	Beuck Klaus	General Telephone Co., of California

11620 MIDWAY DR

Year	Uses	Source
2020	MICHAEL MCCOOL	EDR Digital Archive
2014	ROBIN DAVIS	Cole Information
2010	OCCUPANT UNKNOWN	Cole Information
2005	BILLY WILTSHIRE	Cole Information
2000	LEON LEONARD	Cole Information
1995	Leonard Leon L	Pacific Bell
	LEONARD, LEON L	Cole Information
1991	Leonard D	Pacific Bell
	Leonard Leon L	Pacific Bell
1986	Leonard Leon L	Pacific Bell
1980	Leonard Leon L	Pacific Telephone
	Leonard Robin Marie	Pacific Telephone
1975	Leonard Leon L	Luskey Brothers & Co., Inc.
1970	Cadieu Richard A	General Telephone Co., of California

11629 MIDWAY DR

Year	Uses	Source
2020	HAYLEY TUSCHHOFF	EDR Digital Archive
	CRAIG TUSCHHOFF	EDR Digital Archive
2014	KERRY TUSCHHOFF	Cole Information
2010	KERRY TUSCHHOFF	Cole Information
2005	KERRY TUSCHHOFF	Cole Information

FINDINGS

Year	Uses	Source
2000	JAMES SHIBA	Cole Information
1995	OCCUPANT UNKNOWNN	Cole Information
1980	Millonzi Chas & Sue	Pacific Telephone
1975	Millonzi Chas	Luskey Brothers & Co., Inc.

11639 MIDWAY DR

Year	Uses	Source
2020	KEVIN KIM	EDR Digital Archive
	JUNG KIM	EDR Digital Archive
	CATHERINE KIM	EDR Digital Archive
2014	KEVIN KIM	Cole Information
2010	KEVIN KIM	Cole Information
2005	RUSSELL KIM	Cole Information
2000	KEVIN KIM	Cole Information
1995	Morgan Robt H	Pacific Bell
	MORGAN, ROBERT H	Cole Information
1992	MORGAN, ROBERT H	Cole Information
1991	Morgan Robt H	Pacific Bell
1986	Morgan Robt H	Pacific Bell
1980	Morgan Robt H	Pacific Telephone
1975	Morgan Robt H	Luskey Brothers & Co., Inc.
1970	Morgan Robt	General Telephone Co., of California

11640 MIDWAY DR

Year	Uses	Source
2020	ANTHONY PHILLIPS	EDR Digital Archive
	LORI PHILLIPS	EDR Digital Archive
2014	OCCUPANT UNKNOWN	Cole Information
2010	ANTHONY PHILLIPS	Cole Information
2005	WADE BRYLOW	Cole Information
2000	LARRY WESTPHAL	Cole Information
1995	Westphal Larry W	Pacific Bell
	WESTPHAL, LARRY W	Cole Information
1992	WESTPHAL, LARRY W	Cole Information

Year	Uses	Source
1991	Westphal Larry W	Pacific Bell
	Westphl a Leigh & Ec	Pacific Bell
1980	Westphal Larry W	Pacific Telephone
1975	Westphal Larry W	Luskey Brothers & Co., Inc.

11649 MIDWAY DR

Year	Uses	Source
2020	CARA PHILLIPS	EDR Digital Archive
	FERN PHILLIPS	EDR Digital Archive
2010	OCCUPANT UNKNOWN	Cole Information
2005	PHILLIPS STUDIO	Cole Information
2000	JAMES PHILLIPS	Cole Information
1995	Phillips Jas E	Pacific Bell
	PHILLIPS, JAMES E	Cole Information
1980	Dean Wm	Pacific Telephone
1975	Einstein Stephen J	Luskey Brothers & Co., Inc.

11650 MIDWAY DR

Year	Uses	Source
2020	SCOTT BREWBAKER	EDR Digital Archive
2014	SCOTT BREWBAKER	Cole Information
2010	SCOTT BREWBAKER	Cole Information
2005	OCCUPANT UNKNOWN	Cole Information
2000	OCCUPANT UNKNOWN	Cole Information
1995	OCCUPANT UNKNOWNN	Cole Information
1986	Milton Timothy & Elizabeth	Pacific Bell

11659 MIDWAY DR

Year	Uses	Source
2020	PATRICIA PEEL	EDR Digital Archive
	JUDITH PEEL	EDR Digital Archive
	JOSEPH PEEL	EDR Digital Archive
2014	JOSEPH PEEL	Cole Information
2010	JOSEPH PEEL	Cole Information

FINDINGS

Year	Uses	Source
2005	JOSEPH PEEL	Cole Information
2000	JOSEPH PEEL	Cole Information
1995	Peel Jos F	Pacific Bell
	PEEL, JOSEPH F	Cole Information
1992	PEEL, JOSEPH F	Cole Information
1991	Peel Jos F	Pacific Bell
1986	Peel Jos F	Pacific Bell
1980	Peel Jos F	Pacific Telephone
1975	Peel Jos F	Luskey Brothers & Co., Inc.
1970	Peel Jos F	General Telephone Co., of California

11660 MIDWAY DR

Year	Uses	Source
2020	THUY PHAN	EDR Digital Archive
	ROBERT ANTONIO	EDR Digital Archive
2014	DANIEL MARWEG	Cole Information
2010	MEREDITH TYRRELL	Cole Information
2005	RAINBOW INTERNATIONAL OF WEST LOS AN	Cole Information
	DANIEL MARWEG	Cole Information
2000	OCCUPANT UNKNOWN	Cole Information
1995	BROWNING, L C	Cole Information
1986	Kenninck Van Veen M	Pacific Bell
1975	Carrothers Eugene	Luskey Brothers & Co., Inc.

11669 MIDWAY DR

Year	Uses	Source
2014	NANCY PARKER	Cole Information
2010	NANCY PARKER	Cole Information
2005	CATHERINE PARKER	Cole Information
2000	HARRY PARKER	Cole Information
1995	Parker Harry D	Pacific Bell
	PARKER, HARRY D	Cole Information
1992	PARKER, HARRY D	Cole Information

FINDINGS

Year	Uses	Source
1991	Parker Harry D	Pacific Bell
1986	Parker Harry D	Pacific Bell
1980	Parker Ha Harry D	Pacific Telephone
1975	Parker Harry D	Luskey Brothers & Co., Inc.

11670 MIDWAY DR

Year	Uses	Source
2020	DIGNA BIADO	EDR Digital Archive
	KHANH PHAM	EDR Digital Archive
	SAM TRAN	EDR Digital Archive
2014	DIGNA BIADO	Cole Information
2010	F CONCEPCION	Cole Information
2005	DIGNA BIADO	Cole Information
2000	O NORRIS	Cole Information
1995	NORRIS, O A	Cole Information
1992	NORRIS, O A	Cole Information
1991	Norris O A	Pacific Bell

11679 MIDWAY DR

Year	Uses	Source
2020	DAVID MING LAN	EDR Digital Archive
	MASAILDA FARIAS	EDR Digital Archive
	MING LAN	EDR Digital Archive
2014	MASAILDA FARIAS	Cole Information
2010	JADER FARIAS	Cole Information
2005	JADER FARIAS	Cole Information
2000	OCCUPANT UNKNOWN	Cole Information
1995	OCCUPANT UNKNOWNN	Cole Information
1992	LAN, MING	Cole Information
1991	Lan M	Pacific Bell
	Lan Masters @Irvine@	Pacific Bell
1986	Lan M	Pacific Bell
1980	Lan M	Pacific Telephone
1975	Ashcraft Jas A	Luskey Brothers & Co., Inc.

FINDINGS

11680 MIDWAY DR

Year	Uses	Source
2020	STEPHEN ALBRECHT	EDR Digital Archive
	MARY ALBRECHT	EDR Digital Archive
	AMBER PEREZ	EDR Digital Archive
2014	AMBER PEREZ	Cole Information
2010	ANDREW MCGURN	Cole Information
2005	GEORGE EKLUND	Cole Information
1995	Gunaratne Pradeep	Pacific Bell
	GUNARATNE, PRADEEP	Cole Information
1992	GUNARATNE, PRADEEP	Cole Information
1991	Gunaratne Pradeep	Pacific Bell
1986	Nelson Thos E	Pacific Bell
1975	Nielsen Norman L	Luskey Brothers & Co., Inc.
1970	Johnson Kenneth W	General Telephone Co., of California

11689 MIDWAY DR

Year	Uses	Source
2014	THOMAS CAULEY	Cole Information
2010	OCCUPANT UNKNOWN	Cole Information
2005	THOMAS CAULEY	Cole Information
2000	THOMAS CAULEY	Cole Information
1995	Cauley Thos E	Pacific Bell
	CAULEY, THOMAS E	Cole Information
1992	CAULEY, THOMAS E	Cole Information
1991	Cauley Thos E	Pacific Bell
1986	Cauley Thos E	Pacific Bell
1980	Hoke Robt E	Pacific Telephone

11690 MIDWAY DR

Year	Uses	Source
2020	TRANG TRINH	EDR Digital Archive
2014	TOAN TRINH	Cole Information
2010	TRANG TRINH	Cole Information
2005	TRANG TRINH	Cole Information

Year	Uses	Source
1975	Milligan W H	Luskey Brothers & Co., Inc.

NONE ST

5900 NONE ST

Year	Uses	Source
1995	U S Pci Inc 2559242	Pacific Bell
	U S Pet Registry HUNTINGTON BEACH	Pacific Bell
1970	Chase Julia Mrs 11321 Gardn Grve GARDEN GROVE	General Telephone Co., of California

5931 NONE ST

Year	Uses	Source
1966	SAMMY LEE SWIM SCHOOL & FAMILY CLUB	Pacific Telephone

5940 NONE ST

Year	Uses	Source
1966	Industrial Asphalt Inc	Pacific Telephone

5949 NONE ST

Year	Uses	Source
1995	Aboody M 8272731	Pacific Bell

NOUMEA ST

5907 NOUMEA ST

Year	Uses	Source
2020	STEPHEN ADAMSON	EDR Digital Archive
2014	STEVE ADAMSON	Cole Information
2010	STEVE ADAMSON	Cole Information
2005	STEVE ADAMSON	Cole Information
2000	STEVE ADANSON	Cole Information
1995	Adanson Steve	Pacific Bell
	ADANSON, STEVE	Cole Information
1992	ADANSON, STEVE	Cole Information
1991	Adanson Steve	Pacific Bell

FINDINGS

Year	Uses	Source
1986	Adanson Steve	Pacific Bell
1980	Adanson Steve	Pacific Telephone
1975	Heldenbrand B	Luskey Brothers & Co., Inc.

5917 NOUMEA ST

Year	Uses	Source
2020	BETTY MUNN	EDR Digital Archive
	JAMES MUNN	EDR Digital Archive
	TIMOTHY MUNN	EDR Digital Archive
2014	JAMES MUNN	Cole Information
2010	JAMES MUNN	Cole Information
2005	JAMES MUNN	Cole Information
2000	LYDA PARKER	Cole Information
1995	Munn Betty & Jas	Pacific Bell
	MUNN, BETTY J	Cole Information
1992	MUNN, JAMES	Cole Information
1991	Munn Betty & Jas	Pacific Bell
1986	Munn Betty & Jas	Pacific Bell
1980	Boykin Francis R	Pacific Telephone
1975	Boykin Francis R	Luskey Brothers & Co., Inc.

5927 NOUMEA ST

Year	Uses	Source
2020	MERRY THOMAS	EDR Digital Archive
	MATHEW THOMAS	EDR Digital Archive
2014	MATHEW THOMAS	Cole Information
2010	MATHEW THOMAS	Cole Information
2005	MICHAEL WRIGHT	Cole Information
2000	LORI WRIGHT	Cole Information
1995	Sur opolos Dimitri	Pacific Bell
	SURJOPOLOS, DIMITRI	Cole Information
1992	SURJOPOLOS, M	Cole Information
	SURJOPOLOS, DIMITRI	Cole Information
1991	Surlopolos DImitri	Pacific Bell

FINDINGS

Year	Uses	Source
1991	Surjopolos Marcello	Pacific Bell
1986	Surjopolos Dimitrn	Pacific Bell
1980	Sur opolos Dimitri	Pacific Telephone
1975	Surjopolos Dimitri	Luskey Brothers & Co., Inc.

5937 NOUMEA ST

Year	Uses	Source
2020	LILI YOUNG	EDR Digital Archive
2014	LILI YOUNG	Cole Information
2010	MARY JANE RODGERS	Cole Information
2005	MARY JANE RODGERS	Cole Information
2000	PETER FUQUA	Cole Information
1995	OCCUPANT UNKNOWNN	Cole Information
1980	Roders M J	Pacific Telephone

5947 NOUMEA ST

Year	Uses	Source
2020	ELVIRA WALKER	EDR Digital Archive
	JOHN CACCAVALE	EDR Digital Archive
	MIRTHA CACCAVALE	EDR Digital Archive
2014	JOHN CACCAVALE	Cole Information
2010	JOHN CACCAVALE	Cole Information
2005	JOHN CACCAVALE	Cole Information
2000	DEE PHAM	Cole Information
1995	Pham Dee	Pacific Bell
	Tren Hung	Pacific Bell
	TRAN, HUNG	Cole Information
	PHAM, DEE	Cole Information
1992	TRAN, HUNG	Cole Information
	PHAM, DEE	Cole Information
1991	Pham Tieu	Pacific Bell
	Pham Tieu	Pacific Bell
1986	Pham Dao Tha	Pacific Bell
1975	Krutsinger J	Luskey Brothers & Co., Inc.

FINDINGS

NOUNEOA

5927 NOUNEOA

Year	Uses	Source
1995	Surnopolos Marcello	Pacific Bell

RABAUL DR

11591 RABAUL DR

Year	Uses	Source
2020	CHARLENE MORRIS	EDR Digital Archive
2014	OCCUPANT UNKNOWN	Cole Information
2010	ROBERT MASSIE	Cole Information
2005	ENGINEERING SUPPORT RESOURCES LLC	Cole Information
	ROBERT MASSIE	Cole Information
2000	ROBERT MASSIE	Cole Information
1995	MASSIE, ROBERT	Cole Information

11592 RABAUL DR

Year	Uses	Source
2020	MARILYN VANHERK	EDR Digital Archive
	HERK VANHERK	EDR Digital Archive
2014	LORI VANHERK	Cole Information
2010	OCCUPANT UNKNOWN	Cole Information
2005	OCCUPANT UNKNOWN	Cole Information
2000	AUBREY MOULTON	Cole Information
1995	OCCUPANT UNKNOWNN	Cole Information
1991	Cohen Norman	Pacific Bell
	Miller Ross S	Pacific Bell
	Miller Roxy @Westminster@	Pacific Bell
1986	Cohen Norman	Pacific Bell
1975	Richardson John F	Luskey Brothers & Co., Inc.

11601 RABAUL DR

Year	Uses	Source
2020	KRISTY GROSFELD	EDR Digital Archive

FINDINGS

Year	Uses	Source
2020	STEPHEN GROSFELD	EDR Digital Archive
2014	OCCUPANT UNKNOWN	Cole Information
2010	OCCUPANT UNKNOWN	Cole Information
2005	JONATHAN KASS	Cole Information
2000	J KASS	Cole Information
1995	OCCUPANT UNKNOWNN	Cole Information
1992	ZIRHUT, MICHAEL J	Cole Information
1991	Zirhut Michael J	Pacific Bell

11602 RABAUL DR

Year	Uses	Source
2020	KENNETH ONG	EDR Digital Archive
2014	KENNETH ONG	Cole Information
2010	KENNETH ONG	Cole Information
2005	OCCUPANT UNKNOWN	Cole Information
2000	OCCUPANT UNKNOWN	Cole Information
1995	OCCUPANT UNKNOWNN	Cole Information
1986	Admiral Supply Co	Pacific Bell
1970	Hegland Wm M	General Telephone Co., of California

11610 RABAUL DR

Year	Uses	Source
2000	J KASS	Cole Information

11611 RABAUL DR

Year	Uses	Source
2020	ELIZABETH HOGUE	EDR Digital Archive
	HOGUE NAVARRO	EDR Digital Archive
	CRAIG HOGUE	EDR Digital Archive
2014	CRAIG HOGUE	Cole Information
2010	ELIZABETH HOGUE	Cole Information
2005	ELIZABETH HOGUE	Cole Information
2000	JOHN MCDONALD	Cole Information
1995	MORTENSEN, DEBBIE	Cole Information

FINDINGS

Year	Uses	Source
1980	Wood Regina Marie	Pacific Telephone

11612 RABAUL DR

Year	Uses	Source
2020	STEPHEN CATO	EDR Digital Archive
	KATRINA APACIBLE	EDR Digital Archive
2014	OCCUPANT UNKNOWN	Cole Information
2010	ERIC SPENCER	Cole Information
2005	AARON LONDON	Cole Information
2000	KARIN LONDON	Cole Information
1995	Wilhelm Carol	Pacific Bell
	GOODWIN, JEFFREY	Cole Information

11621 RABAUL DR

Year	Uses	Source
2020	PERI UNVER	EDR Digital Archive
	ERCAN UNVER	EDR Digital Archive
	BERIL UNVER	EDR Digital Archive
2014	ERCAN UNVER	Cole Information
2010	ERCNA UNVER	Cole Information
2005	ERCNA UNVER	Cole Information
2000	OCCUPANT UNKNOWN	Cole Information
1995	OCCUPANT UNKNOWNN	Cole Information
1980	Zirhut Michael J	Pacific Telephone
1975	Lovett Larry T	Luskey Brothers & Co., Inc.

11622 RABAUL DR

Year	Uses	Source
2020	NGUYEN LY	EDR Digital Archive
	MAI HO	EDR Digital Archive
2014	ERIC FREDLUND	Cole Information
2010	ERIC FREDLUND	Cole Information
2005	ERIC FREDLUND	Cole Information
2000	CARL SLAWSKI	Cole Information

FINDINGS

Year	Uses	Source
1995	Slawski Carl	Pacific Bell
	SLAWSKI, CARL	Cole Information
1991	Barker Shirley May	Pacific Bell
1986	Barker Shirley May	Pacific Bell
1975	Joyce Barbara L	Luskey Brothers & Co., Inc.
1970	Bolts Ronald L	General Telephone Co., of California

11631 RABAUL DR

Year	Uses	Source
2020	GINA DECKER	EDR Digital Archive
	THOMAS DECKER	EDR Digital Archive
	JUNE DECKER	EDR Digital Archive
	GINAMARIE DECKER	EDR Digital Archive
	BRADLEY DECKER	EDR Digital Archive
2014	THOMAS DECKER	Cole Information
2010	THOMAS DECKER	Cole Information
2005	THOMAS DECKER	Cole Information
2000	OCCUPANT UNKNOWN	Cole Information
1995	WING, DAVID R	Cole Information
1992	FREEMAN, J	Cole Information
1991	Freeman J	Pacific Bell
1986	Freeman J	Pacific Bell
1975	Alexander Donald B	Luskey Brothers & Co., Inc.

11632 RABAUL DR

Year	Uses	Source
2020	MAKIKO TAKEUCHI	EDR Digital Archive
	HIDEO TAKEUCHI	EDR Digital Archive
2014	HIDEO TAKEUCHI	Cole Information
2010	HIDEO TAKEUCHI	Cole Information
2005	HIDEO TAKEUCHI	Cole Information
2000	HIDEO TAKEUCHI	Cole Information
1995	Marmgi Ramzi	Pacific Bell
	OCCUPANT UNKNOWNN	Cole Information

FINDINGS

Year	Uses	Source
1986	Donatelli Jeff	Pacific Bell
1975	Bryant Randall G	Luskey Brothers & Co., Inc.

11641 RABAUL DR

Year	Uses	Source
2020	CONNI FIELDS	EDR Digital Archive
2014	CONNI FIELDS	Cole Information
2010	CONNI FIELDS	Cole Information
2005	CONNI FIELDS	Cole Information
2000	EVELYN LUND	Cole Information
1995	Lund Evelyn & Suzannt	Pacific Bell
	LUND, EVELYN	Cole Information
1992	LUND, EVELYN	Cole Information
1991	Lund Evelyn & Suzanne	Pacific Bell
1986	Shea E Jeffery	Pacific Bell
1975	Koch John J	Luskey Brothers & Co., Inc.
1970	Tamura Geo	General Telephone Co., of California

11642 RABAUL DR

Year	Uses	Source
2020	CHRISTY TRUNNELL	EDR Digital Archive
	AARON TRUNNELL	EDR Digital Archive
2014	ERIK IVANCIC	Cole Information
2010	SLAVKO IVANCIC	Cole Information
2005	SLAVKO IVANCIC	Cole Information
2000	SLAVKO IVANCIC	Cole Information
1995	Ivancic Slavko A	Pacific Bell
	IVANCIC, SLAVKO A	Cole Information
1992	IVANCIC, SLAVKO A	Cole Information
1991	Ivancic Slavko A	Pacific Bell
1986	Ivancic Slavko A	Pacific Bell
1980	Ivancic Slavko A	Pacific Telephone
1975	Rizer David	Luskey Brothers & Co., Inc.
1970	Riier David	General Telephone Co., of California

FINDINGS

11651 RABAUL DR

Year	Uses	Source
2014	ERIC JACOBSEN	Cole Information
2010	ERIC JACOBSEN	Cole Information
2005	SHAUN MCFARLANE	Cole Information
2000	R SALAZAR	Cole Information
1995	Saiazar R	Pacific Bell
	OCCUPANT UNKNOWNN	Cole Information
1992	SALAZAR, ROBERT G	Cole Information
1991	Salazar R	Pacific Bell
1986	Salazar R	Pacific Bell
1980	Salazar Robt	Pacific Telephone
1975	Bedros Geo	Luskey Brothers & Co., Inc.

11652 RABAUL DR

Year	Uses	Source
2020	EDWARD EIVERS	EDR Digital Archive
	JUNKO YOKOIWA	EDR Digital Archive
2014	JOHN ALBRECHT	Cole Information
2010	JOHN ALBRECHT	Cole Information
2005	JOHN ALBRECHT	Cole Information
2000	JOHN ALBRECHT	Cole Information
1995	ALBRECHT, JOHN	Cole Information
1980	Hardin W C	Pacific Telephone

11661 RABAUL DR

Year	Uses	Source
2020	MARC BUTSUMYO	EDR Digital Archive
	JUDY BUTSUMYO	EDR Digital Archive
	DANIEL MASAI	EDR Digital Archive
2014	DANIEL MASAI	Cole Information
2010	MARC BUTSUMYO	Cole Information
2005	FRANK GARCIA	Cole Information
2000	OCCUPANT UNKNOWN	Cole Information
1995	Burrow ay Stanley F	Pacific Bell

FINDINGS

Year	Uses	Source
1995	OCCUPANT UNKNOWNN	Cole Information
1992	BURROWAY, STANLEY F	Cole Information
1991	Burrow ay Stanley F	Pacific Bell
1986	Burrow ay Stanley F	Pacific Bell
1980	Burrow ay J	Pacific Telephone
	Burnow ay Stanley F	Pacific Telephone
1975	Burrow ay Stanley F	Luskey Brothers & Co., Inc.

11662 RABAUL DR

Year	Uses	Source
2020	JOSEPH ESKANDER	EDR Digital Archive
	AMINA ESKANDER	EDR Digital Archive
	STEVE ESKANDER	EDR Digital Archive
2014	OCCUPANT UNKNOWN	Cole Information
2010	ESKANDEJ ESKANDER	Cole Information
2005	E ESKANDER	Cole Information
2000	E ESKANDER	Cole Information
1995	Eskander Eskander S	Pacific Bell
	ESKANDER, E S	Cole Information
1975	Estey Mark D	Luskey Brothers & Co., Inc.
1970	Pemberton Roy E	General Telephone Co., of California

11671 RABAUL DR

Year	Uses	Source
2020	VU TAN	EDR Digital Archive
2014	OCCUPANT UNKNOWN	Cole Information
2010	SANDRO KLEIN	Cole Information
2005	SANDRO KLEIN	Cole Information
2000	JOHN PEPE	Cole Information
1995	J P Enterprises	Pacific Bell
	Pepe John P Jr	Pacific Bell
	J P ENTERPRISES	Cole Information
	PEPE, JOHN P JR	Cole Information
1992	J P ENTERPRISES	Cole Information

FINDINGS

Year	Uses	Source
1992	PEPE, JOHN P JR	Cole Information
1991	J P Enterprises	Pacific Bell
1986	J P Enterprises	Pacific Bell
	Pepe John P Jr	Pacific Bell
1980	Pepe John P Jr	Pacific Telephone
1975	Pepe John P Jr	Luskey Brothers & Co., Inc.

11672 RABAUL DR

Year	Uses	Source
2020	ANH CAO	EDR Digital Archive
2014	JEFF SAENZ	Cole Information
2010	JEFF SAENZ	Cole Information
2005	JEFF SAENZ	Cole Information
2000	JEFF SAENZ	Cole Information
1995	SAENZ, JEFF M	Cole Information

11681 RABAUL DR

Year	Uses	Source
2020	MARILEE KOKOT	EDR Digital Archive
	IAN KOKOT	EDR Digital Archive
	SALLY OTTERSON	EDR Digital Archive
2014	SALLY OTTERSON	Cole Information
2010	TERESA GARCIA	Cole Information
2005	PHILLIP SMITH	Cole Information
2000	PHILLIP SMITH	Cole Information
1995	Smith P	Pacific Bell
	SMITH, PHILLIP	Cole Information
1992	SMITH, PHILLIP	Cole Information
1991	Mc Dowell John F Skip	Pacific Bell
	Mc Dowell Shannon	Pacific Bell
1986	Mc Dowell John F Skip	Pacific Bell
1975	McDowell J F Skip	Luskey Brothers & Co., Inc.

FINDINGS

11682 RABAUL DR

Year	Uses	Source
2020	DAVID LAM	EDR Digital Archive
	CAROLE KEENE	EDR Digital Archive
	KYLE WALDIE	EDR Digital Archive
	CARI WALDIE	EDR Digital Archive
	TODD KEENE	EDR Digital Archive
2014	TAM LE	Cole Information
2010	COLLAGE POWER	Cole Information
	TODD KEENE	Cole Information
2005	TODD KEENE	Cole Information
2000	LARRY HENEGAR	Cole Information
1995	Henegar Larry	Pacific Bell
	HENEGAR, LARRY	Cole Information
1992	HENEGAR, LARRY	Cole Information
1991	Henegar Larry	Pacific Bell
1986	Hanagar Larry	Pacific Bell
1980	Ifenegar Larry	Pacific Telephone
1975	Baldw in Geo R	Luskey Brothers & Co., Inc.

11691 RABAUL DR

Year	Uses	Source
2020	PETER GEORGE	EDR Digital Archive
	MAUREEN GEORGE	EDR Digital Archive
2014	PETER GEORGE	Cole Information
2010	PETER GEORGE	Cole Information
2005	PETER GEORGE	Cole Information
2000	PETER GEORGE	Cole Information
1995	Sam I Iraj	Pacific Bell
	SAMI, IRAJ	Cole Information
1992	SAMI, IRAJ	Cole Information
1991	Sami Iraj	Pacific Bell
1986	Sami Iraj	Pacific Bell
1980	Low ry Carl & Pam	Pacific Telephone

Year	Uses	Source
1975	Ball Clifford	Luskey Brothers & Co., Inc.

11692 RABAUL DR

Year	Uses	Source
2020	LYNDA WRIGHT	EDR Digital Archive
2014	LYNDA WRIGHT	Cole Information
2010	LYNDA WRIGHT	Cole Information
2005	LYNDA WRIGHT	Cole Information
2000	LYNDA WRIGHT	Cole Information
1995	Wright Richard E	Pacific Bell
	WRIGHT, RICHARD E	Cole Information
1991	Wright Rchard E	Pacific Bell
1980	Wright Richard	Pacific Telephone
1975	Wright Richard E	Luskey Brothers & Co., Inc.
1970	Wright Richard E	General Telephone Co., of California

SAINT MARK ST

11711 SAINT MARK ST

Year	Uses	Source
1992	RODERICK, EDWARD	Cole Information

11771 SAINT MARK ST

Year	Uses	Source
2020	DARRYL DELESKE	EDR Digital Archive
	LEE HARNESS	EDR Digital Archive
2014	MICHAEL HARNESS	Cole Information
2010	MARINUS SCIENTIFIC LLC	Cole Information
	DARRYL DELESKE	Cole Information
2005	MARINUS SCIENTIFIC	Cole Information
	DARRYL DELESKE	Cole Information
2000	OCCUPANT UNKNOWN	Cole Information

FINDINGS

11772 SAINT MARK ST

Year	Uses	Source
2020	PAIGE PARK	EDR Digital Archive
	PAUL PARK	EDR Digital Archive
2014	OCCUPANT UNKNOWN	Cole Information
2010	OCCUPANT UNKNOWN	Cole Information
2005	SCOTT ARMSTRONG	Cole Information
2000	OCCUPANT UNKNOWN	Cole Information

11782 SAINT MARK ST

Year	Uses	Source
2020	CAMERON HAUSMAN	EDR Digital Archive
	MARY HAUSMAN	EDR Digital Archive
	VERNA GRACE	EDR Digital Archive
	JOSEPH LEAHY	EDR Digital Archive
	LETITIA EAGER	EDR Digital Archive
	SANDRA HAUSMAN	EDR Digital Archive
2014	SANDRA HAUSMAN	Cole Information
2010	PHILIP HAUSMAN	Cole Information
2005	JESSIE EAGER	Cole Information
2000	PHILIP HAUSMAN	Cole Information

11791 SAINT MARK ST

Year	Uses	Source
2020	ROBERT COURTIS	EDR Digital Archive
	KRISTI COURTIS	EDR Digital Archive
2014	JUDITH BUTLER	Cole Information
2000	OCCUPANT UNKNOWN	Cole Information
1995	BUTLER, ANN R	Cole Information

11801 SAINT MARK ST

Year	Uses	Source
2014	DANE HARRIS	Cole Information
2010	DANE HARRIS	Cole Information
2005	DANE HARRIS	Cole Information

FINDINGS

Year	Uses	Source
2000	GILBERT CRUZ	Cole Information
1995	OCCUPANT UNKNOWNN	Cole Information

11802 SAINT MARK ST

Year	Uses	Source
2020	MARK CIPOLLA	EDR Digital Archive
	JENNIFER MCDONALD	EDR Digital Archive
2014	JENNIFER KRAMER	Cole Information
2010	JENNIFER MCDONALD	Cole Information
2000	OCCUPANT UNKNOWN	Cole Information
1995	SMEINS, GARY	Cole Information
1992	SMEINS, HARRY F	Cole Information

11811 SAINT MARK ST

Year	Uses	Source
2020	CAROLSUE HAAS	EDR Digital Archive
	CHRISTOPHER HAAS	EDR Digital Archive
	NICHOLAS PURCIELLE	EDR Digital Archive
	STEPHANIE WEST	EDR Digital Archive
2014	CAROLSUE HAAS	Cole Information
2010	CHRISTOPHER HAAS	Cole Information
2005	CHRISTOPHER HAAS	Cole Information
2000	JOSEPH LOVE	Cole Information
1995	OCCUPANT UNKNOWNN	Cole Information

11812 SAINT MARK ST

Year	Uses	Source
2020	MICHELLE RIEKENBERG	EDR Digital Archive
2014	ERNIE FERRALES	Cole Information
2010	P MCWILLIAMS	Cole Information
2005	JOSEPH MCWILLIAMS	Cole Information
2000	GEORGE MCWILLIAMS	Cole Information
1995	MCWILLIAMS, GEORGE J	Cole Information

FINDINGS

11821 SAINT MARK ST

Year	Uses	Source
2020	JUATHENA PLENDER	EDR Digital Archive
	JEFFREY PLENDER	EDR Digital Archive
2014	JUATHENA PLENDER	Cole Information
2010	LISA PEPPMULLER	Cole Information
2005	LISA PEPPMULLER	Cole Information
2000	SHIRLEY MIRACLE	Cole Information

11822 SAINT MARK ST

Year	Uses	Source
2020	MICHELLE REDMOND	EDR Digital Archive
	SEAN REDMOND	EDR Digital Archive
2014	HAROLD KIRCHEN	Cole Information
2010	HAROLD KIRCHEN	Cole Information
2005	KRAZY KONES	Cole Information
	HAROLD KIRCHEN	Cole Information
2000	HAROLD KIRCHEN	Cole Information
1995	ORTIZ, ALFONSO	Cole Information

11831 SAINT MARK ST

Year	Uses	Source
2020	VALERIE BRIGHAM	EDR Digital Archive
	NICOLE BRIGHAM	EDR Digital Archive
	ROBERT BRIGHAM	EDR Digital Archive
2014	ROBERT BRIGHAM	Cole Information
2010	OCCUPANT UNKNOWN	Cole Information
2005	ROBERT BRIGHAM	Cole Information
2000	ROBERT BRIGHAM	Cole Information

11832 SAINT MARK ST

Year	Uses	Source
2020	ALLISON KEITH	EDR Digital Archive
	CHARLES KEITH	EDR Digital Archive
	BARBARA CARTER	EDR Digital Archive

Year	Uses	Source
2014	JAMES KEITH	Cole Information
2010	H CARTER	Cole Information
2005	H CARTER	Cole Information
2000	B CARTER	Cole Information
1995	CARTER, B D	Cole Information
1992	CARTER, BARBARA D	Cole Information

11841 SAINT MARK ST

Year	Uses	Source
2020	MARK KELLY	EDR Digital Archive
	STEVEN SANCHEZ	EDR Digital Archive
	LEILANI JOHNSON	EDR Digital Archive
	BARBARA SANCHEZ	EDR Digital Archive
	DANIEL JOHNSON	EDR Digital Archive
2014	STEVEN JAMESSON	Cole Information
2010	STEVEN JAMESSON	Cole Information
2000	MARK KELLY	Cole Information
1995	SMITH, HARRI	Cole Information
1992	GREGORY, HARRI	Cole Information

11842 SAINT MARK ST

Year	Uses	Source
2020	BRUCE ROBERTS	EDR Digital Archive
	MIHEA ROBERTS	EDR Digital Archive
2014	OCCUPANT UNKNOWN	Cole Information
2010	JOHN MATLOCK	Cole Information
2005	KENNETH MATLOCK	Cole Information
2000	OCCUPANT UNKNOWN	Cole Information
1995	SMITH, LON W	Cole Information

11852 SAINT MARK ST

Year	Uses	Source
2020	KATHLEEN EIMEN	EDR Digital Archive
	JAMES EIMEN	EDR Digital Archive

FINDINGS

Year	Uses	Source
2014	JAMES EIMEN	Cole Information
2010	JAMES EIMEN	Cole Information
2005	JAMES EIMEN	Cole Information
2000	K EIMEN	Cole Information
1995	EIMEN, HELEN	Cole Information

SANTA BARBARA

5822 SANTA BARBARA

Year	Uses	Source
1970	MEDALLION POOL SERV CO	General Telephone Co., of California
1966	Hoyt Ray	Pacific Telephone
	MEDALLION POOL SERV CO	Pacific Telephone

5842 SANTA BARBARA

Year	Uses	Source
1966	Charbonneau Arlo W	Pacific Telephone

5852 SANTA BARBARA

Year	Uses	Source
1966	Dedrick Thos S	Pacific Telephone

5872 SANTA BARBARA

Year	Uses	Source
1966	Vincent Alfred C	Pacific Telephone

5881 SANTA BARBARA

Year	Uses	Source
1966	Underwood Kenneth E	Pacific Telephone

5882 SANTA BARBARA

Year	Uses	Source
1966	Aston Chas M	Pacific Telephone
	Kurre Ernest R	Pacific Telephone
	Mc Hale John J Jr	Pacific Telephone

5892 SANTA BARBARA

Year	Uses	Source
1966	Litwicki Jas J	Pacific Telephone

5912 SANTA BARBARA

Year	Uses	Source
1970	Carter Jo Ann	General Telephone Co., of California
	Carter Tony J	General Telephone Co., of California
1966	Martin Sandra	Pacific Telephone
	Martin Thos L	Pacific Telephone
	Valdez Luis	Pacific Telephone
	Waugh Norman E Jr	Pacific Telephone

5942 SANTA BARBARA

Year	Uses	Source
1966	Konopatzki O H	Pacific Telephone

SANTA BARBARA AVE

5822 SANTA BARBARA AVE

Year	Uses	Source
2020	JACQUES KUIK	EDR Digital Archive
	STEPHANIE RIOS	EDR Digital Archive
	CHELSEA RIOS	EDR Digital Archive
2014	JULIE BARKSDALE	Cole Information
	BRIAN REDMAYNE	Cole Information
	STEPHANIE RIOS	Cole Information
	SUZANNE ROCHERS	Cole Information
2005	MARKA ELECTRIC	Cole Information
	DAVID CLOUSE	Cole Information
1995	Randolph Chas	Pacific Bell
	RANDOLPH, CHARLES	Cole Information
	SIGEL, JAMES	Cole Information
1986	Mulvey Tom	Pacific Bell
1980	Moker Helen	Pacific Telephone
1975	Moker Helen	Luskey Brothers & Co., Inc.

FINDINGS

Year	Uses	Source
1975	Moker Helen	Luskey Brothers & Co., Inc.
1966	Garrison Philip W	Pacific Telephone

5841 SANTA BARBARA AVE

Year	Uses	Source
2020	ETHAN GOH	EDR Digital Archive
	KHENG TEO	EDR Digital Archive
	SAMUEL ADAMS	EDR Digital Archive
	HUI TEO	EDR Digital Archive
2014	AARON MADONNA	Cole Information
2010	RICHARD HERNANDEZ	Cole Information
2005	SAMUEL ADAMS	Cole Information
2000	SAMUEL ADAMS	Cole Information
1995	ADAMS, SAMUEL	Cole Information
1992	ADAMS, SAMUEL	Cole Information
1991	Adams Saml & Noriko	Pacific Bell
1986	Adams Sam I & Nonko	Pacific Bell
1980	Adams Sam I M	Pacific Telephone
1975	Adams Saml M	Luskey Brothers & Co., Inc.
	Adams Samuel M Noriko	Luskey Brothers & Co., Inc.
1970	Hester Robt C	General Telephone Co., of California
1966	Lefevers Floyd Dr	Pacific Telephone

5842 SANTA BARBARA AVE

Year	Uses	Source
2020	JUAN MORALES	EDR Digital Archive
	BRIAN MILLER	EDR Digital Archive
	JOSEPH PINEL	EDR Digital Archive
	DAVID KISSELBURGH	EDR Digital Archive
2014	JEFFREY FENTON	Cole Information
	BRIAN MILLER	Cole Information
2010	ERIKA BEN	Cole Information
	BRIAN MILLER	Cole Information
2005	JASON HAGER	Cole Information

FINDINGS

Year	Uses	Source
2005	BRIAN MILLER	Cole Information
	SCOTT BRYAN	Cole Information
2000	OCCUPANT UNKNOWN	Cole Information
1995	MURRIETA, CONNIE M	Cole Information
	HORN, DENNIS	Cole Information
1992	HORN, DENNIS	Cole Information
1991	Horn Dennis	Pacific Bell
	Horn M E	Pacific Bell
1986	Horn M E	Pacific Bell
1980	Horn M E	Pacific Telephone
1975	Watts Lance	Luskey Brothers & Co., Inc.
1970	Harrell Neal M	General Telephone Co., of California
1966	Barron Chas D	Pacific Telephone
	Barron Linda M	Pacific Telephone

5851 SANTA BARBARA AVE

Year	Uses	Source
2020	LE TRUONG	EDR Digital Archive
	JONNA TRUONG	EDR Digital Archive
2010	PHUONG TRUONG	Cole Information
2005	MANUEL HERNANDEZ	Cole Information
2000	OCCUPANT UNKNOWN	Cole Information

5852 SANTA BARBARA AVE

Year	Uses	Source
2014	TYCIE CARLSON	Cole Information
	LISA LUCAS	Cole Information
2010	VERONICA CARDOZA	Cole Information
	KEVIN CARLSON	Cole Information
	BRENDA LUCAS	Cole Information
2005	ELIZABETH CABELLO	Cole Information
2000	LISA LUCAS	Cole Information
1995	Pekrul Matthew	Pacific Bell
	KELLER, JEFF	Cole Information

FINDINGS

Year	Uses	Source
1995	PERKRUL, MATTHEW	Cole Information
	PEKRUL, MATTHEW	Cole Information
1980	I Pek@Fullerton@ Faith B	Pacific Telephone
	Mierau Craig	Pacific Telephone
	Smith Linda A	Pacific Telephone
1975	Garrison Frankie	Luskey Brothers & Co., Inc.
	Pekrul Faith B	Luskey Brothers & Co., Inc.
	Pekrul Farth B	Luskey Brothers & Co., Inc.
1970	Pekrul Faith B	General Telephone Co., of California
	Collins Wm H	General Telephone Co., of California
	Nichols E J	General Telephone Co., of California
1966	Pekrul Faith B	Pacific Telephone

5861 SANTA BARBARA AVE

Year	Uses	Source
2020	JUNG LEE	EDR Digital Archive
	HWAN LEE	EDR Digital Archive
	CHONG LEE	EDR Digital Archive
2014	CHONG LEE	Cole Information
2010	OCCUPANT UNKNOWN	Cole Information
2005	OCCUPANT UNKNOWN	Cole Information
2000	HWAN LEE	Cole Information
1995	Lee Hw an Ki	Pacific Bell
	LEE, HWAN K	Cole Information
1992	LEE, HWAN K	Cole Information
1991	Lee Hw an Ki	Pacific Bell
1975	Lundy Arvid L	Luskey Brothers & Co., Inc.
1966	Lundy Arvid L	Pacific Telephone

5871 SANTA BARBARA AVE

Year	Uses	Source
2020	MIYAKO TAKAHASHI	EDR Digital Archive
	TRAVIS GARRETT	EDR Digital Archive
	SHIRLEY BAKER	EDR Digital Archive

FINDINGS

Year	Uses	Source
2020	ANDREW STAVISH	EDR Digital Archive
	TETSUYA TAKAHASHI	EDR Digital Archive
2014	ANDREW STAVISH	Cole Information
2010	ANDREW STAVISH	Cole Information
2005	ANDREW STAVISH	Cole Information
2000	PAUL STAVISH	Cole Information
1995	STAVISH, PAUL J	Cole Information
1992	STAVISH, PAUL J	Cole Information
1991	Stavish Paul J	Pacific Bell
1986	Stavish Paul J	Pacific Bell
1975	Stavish Paul J	Luskey Brothers & Co., Inc.
	Stavish Paul J Marilyn	Luskey Brothers & Co., Inc.

5872 SANTA BARBARA AVE

Year	Uses	Source
2020	PAUL NEVILLE	EDR Digital Archive
	JOSEFA FONSECA	EDR Digital Archive
	PAUL FONSECA	EDR Digital Archive
2014	Q LE	Cole Information
	PAUL NEVILLE	Cole Information
	PAUL FONSECA	Cole Information
	MARK MELHEIM	Cole Information
2010	PAUL NEVILLE	Cole Information
2005	TAE SONG	Cole Information
	STACEY FLATTEN	Cole Information
	TYSON BRAZELTON	Cole Information
	PAUL FONSECA	Cole Information
2000	C STEBBINS	Cole Information
1995	Hasher Vivian	Pacific Bell
	MCCARTNEY, DONNA	Cole Information
1992	JOHNSON, V	Cole Information
	HASCHER, WILLIAM	Cole Information
1991	Hascher W&V	Pacific Bell

Year	Uses	Source
1986	Lopez G	Pacific Bell
	Smith J M	Pacific Bell
1975	Hocutt Johnnie Ethel	Luskey Brothers & Co., Inc.
	Puckett M H	Luskey Brothers & Co., Inc.
	Smith J M	Luskey Brothers & Co., Inc.
	Bruce Roy	Luskey Brothers & Co., Inc.
	Puckett Michael H Robyn	Luskey Brothers & Co., Inc.
1970	How e LA	General Telephone Co., of California

5881 SANTA BARBARA AVE

Year	Uses	Source
2020	DENISE TOSCANO	EDR Digital Archive
2014	OCCUPANT UNKNOWN	Cole Information
2010	MISAO BRADLEY	Cole Information
2005	MISAO BRADLEY	Cole Information
2000	MISAO BRADLEY	Cole Information
1995	BRADLEY, MISAO M	Cole Information

5882 SANTA BARBARA AVE

Year	Uses	Source
2020	THERESA HALL	EDR Digital Archive
	SHERI CHESTER	EDR Digital Archive
2014	NATALIE NAVA	Cole Information
	THERESA HALL	Cole Information
	MICHAEL THAMES	Cole Information
	ANNI JOHNSTON	Cole Information
2010	NATALIE NAVA	Cole Information
	KATIE MADDOX	Cole Information
	MARK RUBIN	Cole Information
	SALVADOR STEINBERG	Cole Information
2005	SALVADOR STEINBERG	Cole Information
	NEIL WEST	Cole Information
	DAVID GAVALIER	Cole Information
2000	SALVADO STEINBERG	Cole Information

FINDINGS

Year	Uses	Source
1995	CROSS, DENISE	Cole Information
1975	Blackburn Mary J	Luskey Brothers & Co., Inc.
	Blackburn Mary J	Luskey Brothers & Co., Inc.

5891 SANTA BARBARA AVE

Year	Uses	Source
2020	MICHAEL MACNEIL	EDR Digital Archive
	MARY MACNEIL	EDR Digital Archive
	BRANDON MACNEIL	EDR Digital Archive
	NEIL MAC NEIL	EDR Digital Archive
	JUSTIN MACNIEL	EDR Digital Archive
2014	MICHAEL MACNEIL	Cole Information
2010	MICHAEL MACNEIL	Cole Information
2005	MICHAEL MACNEIL	Cole Information
2000	BRENT ORZOL	Cole Information

5892 SANTA BARBARA AVE

Year	Uses	Source
2020	KAREN REID	EDR Digital Archive
	RUTH MONROY	EDR Digital Archive
	RIGOBERTO MONROY	EDR Digital Archive
2014	DANELLE NAVARRO	Cole Information
	RUTH RAMOS	Cole Information
	SARAH REID	Cole Information
	JARON NELSON	Cole Information
	ANGELA SHARBER	Cole Information
2010	KAREN REID	Cole Information
	RUTH MONROY	Cole Information
	WILLIAM DONAVAN	Cole Information
2005	RODRIGO MONROY	Cole Information
	OAK PARK	Cole Information
	KAREN REID	Cole Information
	BILL PHAM	Cole Information
2000	MICHAEL TRONDLE	Cole Information

FINDINGS

Year	Uses	Source
1995	AGUILAR, ANA L	Cole Information
1992	MONROY, R	Cole Information
1991	Monroy Rigoberto	Pacific Bell
	Prebe Michael	Pacific Bell
	Prebis S @Westminster@	Pacific Bell
1986	Boyd C A	Pacific Bell
1980	Banks H	Pacific Telephone
1975	Christy F A	Luskey Brothers & Co., Inc.
	Rich Geo W	Luskey Brothers & Co., Inc.
	Christy F A	Luskey Brothers & Co., Inc.
	Volbruck Ronald R	Luskey Brothers & Co., Inc.
1970	Augustine Eleanor	General Telephone Co., of California
	Mc Williams Helen	General Telephone Co., of California
	Me William Chas I	General Telephone Co., of California
1966	Bernhardt E H	Pacific Telephone
	Trumble Betty	Pacific Telephone

5911 SANTA BARBARA AVE

Year	Uses	Source
2020	YURY YASNOGORODSKY	EDR Digital Archive
2005	BILLIE MARTZ	Cole Information
2000	YAKOV BULKIN	Cole Information
1995	HIATT, SANDRA K	Cole Information
1991	Bettis Jas	Pacific Bell

5912 SANTA BARBARA AVE

Year	Uses	Source
2020	ELIZABETH SOLARES	EDR Digital Archive
	DAN LUCAS	EDR Digital Archive
2014	TERRI STALEY	Cole Information
	JULIE KING	Cole Information
	ELIYSHA SEWARD	Cole Information
	MICHAEL BRADEN	Cole Information
2010	JOHN HANNIGAN	Cole Information

FINDINGS

Year	Uses	Source
2010	JULIE KING	Cole Information
2005	JOYCE STALEY	Cole Information
	JOHN HANNIGAN	Cole Information
	JULIE KING	Cole Information
	JESSE HAMILTON	Cole Information
2000	PAMELA LYNCH	Cole Information
	J KING	Cole Information
	JESSE HAMILTON	Cole Information
	CHERYL NAKAMURA	Cole Information
1995	Fisher Craig	Pacific Bell
	FISHER, CRAIG	Cole Information
1992	FISHER, CRAIG	Cole Information
1991	Fisher Craig	Pacific Bell
	Melancon Brtan	Pacific Bell
1986	Harris E M	Pacific Bell
1980	Harris E M	Pacific Telephone
1975	Harris E M	Luskey Brothers & Co., Inc.
	Lovett K M	Luskey Brothers & Co., Inc.
	Harris E M	Luskey Brothers & Co., Inc.
	Lovett K M	Luskey Brothers & Co., Inc.
1970	Sclsueller Jas	General Telephone Co., of California
1966	Fornicola Law rence	Pacific Telephone

5921 SANTA BARBARA AVE

Year	Uses	Source
2020	JENNIFER ALLISON	EDR Digital Archive
	JAMES ALLISON	EDR Digital Archive
2014	JAMES ALLISON	Cole Information
2010	OCCUPANT UNKNOWN	Cole Information
2005	JAMES ALLISON	Cole Information
1995	FULLER, DAVE	Cole Information
1975	Carter Tony J	Luskey Brothers & Co., Inc.
1970	Allison Jas A	General Telephone Co., of California

FINDINGS

Year	Uses	Source
1966	Bayer Erwin L	Pacific Telephone
	Bayer Jennifer R	Pacific Telephone

5922 SANTA BARBARA AVE

Year	Uses	Source
2020	ALYSSA DERAS	EDR Digital Archive
	JORGE HERNANDEZ	EDR Digital Archive
2014	DANIEL DUNBARE	Cole Information
	CHRISTINA HERRERA	Cole Information
	CRISTI MOORE	Cole Information
	MICHEL CHAVEZ	Cole Information
	JEAN NASH	Cole Information
	BRENDA DERAS	Cole Information
2010	ART PAINE	Cole Information
	JANE BONDOC	Cole Information
2005	GEOFFREY HO	Cole Information
	ARTHUR PAINE	Cole Information
	DANIEL DUNBAR	Cole Information
2000	DANIEL DUNBAR	Cole Information
1995	CLARK, S G	Cole Information
	KLOSS, DENISE	Cole Information
1991	Clark S G	Pacific Bell
1986	Abbott B G	Pacific Bell
1980	Verdoliva Jos	Pacific Telephone
1975	Clark Clifford W	Luskey Brothers & Co., Inc.
	Verdoliva Jos	Luskey Brothers & Co., Inc.

5931 SANTA BARBARA AVE

Year	Uses	Source
2020	BURT TRUONG	EDR Digital Archive
	PHUONG TRUONG	EDR Digital Archive
	KETON TRUONG	EDR Digital Archive
2014	PHUONG TRUONG	Cole Information
2010	PHUONG TRUONG	Cole Information

FINDINGS

Year	Uses	Source
2005	PHUONG TRUONG	Cole Information
1995	OCCUPANT UNKNOWNN	Cole Information
1975	Tagle Jaime E	Luskey Brothers & Co., Inc.
	Tagle Jaime E	Luskey Brothers & Co., Inc.
1970	Welch Raymond C	General Telephone Co., of California
1966	Welch Bobby L	Pacific Telephone

5932 SANTA BARBARA AVE

Year	Uses	Source
2020	CAROL BANUELOS	EDR Digital Archive
	HARLEY SEVERIN	EDR Digital Archive
	CAMILLE MC CARTHY	EDR Digital Archive
	JENNIFER HUNTINGTON	EDR Digital Archive
2014	ADRIAN BANUELOS	Cole Information
	ANTONIO DILWORTH	Cole Information
	ADRIAN THOMAS	Cole Information
2010	S HYMAN	Cole Information
	JENNIFER HUNTINGTON	Cole Information
2005	RODOLFO CAMPOS	Cole Information
	CAROL BANUELOS	Cole Information
	FORTUNATO MABUTAS	Cole Information
2000	RODOLFO CAMPOS	Cole Information
	FORTUNA MABUTAS	Cole Information
1995	Mabutas Fortunato	Pacific Bell
	MACHORRO, JUAN	Cole Information
	MABUTAS, FORTUNA	Cole Information
1992	MABUTAS, F	Cole Information
1991	Mabutas Fortunate	Pacific Bell
1980	Wargo A E	Pacific Telephone
1975	Diaz Rosalio	Luskey Brothers & Co., Inc.
	Hayden David Nickles	Luskey Brothers & Co., Inc.
	Wargo A E	Luskey Brothers & Co., Inc.
	Hayden David N	Luskey Brothers & Co., Inc.

Year	Uses	Source
1970	Broaddus Chas H	General Telephone Co., of California
	Rich Geo W	General Telephone Co., of California
1966	Galelli Teodoro	Pacific Telephone
	Hayden David Nickles	Pacific Telephone

5941 SANTA BARBARA AVE

Year	Uses	Source
2020	CATHERINE KALAWAIA	EDR Digital Archive
	DAVID KALAWAIA	EDR Digital Archive
	JAMES KALAWAIA	EDR Digital Archive
2014	JAMES KALAWAIA	Cole Information
2010	JAMES KALAWAIA	Cole Information
2005	CATHERINE KALAWAIA	Cole Information
	KALLYS	Cole Information
2000	JAMES KALAWAIA	Cole Information
1995	KALAWAIA, C L	Cole Information
1975	Gibba C A	Luskey Brothers & Co., Inc.
	Gibba C A	Luskey Brothers & Co., Inc.
1966	Skinner Otto U	Pacific Telephone

5942 SANTA BARBARA AVE

Year	Uses	Source
2020	MOSES SOLIZ	EDR Digital Archive
	LORIE BYE	EDR Digital Archive
2014	CUONG NGUYEN	Cole Information
	LORIE BYE	Cole Information
	IGNACIO ALBA	Cole Information
2010	TRACI STANFORD	Cole Information
	CUONG NGUYEN	Cole Information
2005	DAVID PINCEK	Cole Information
	TARA CHUNG	Cole Information
	TANYAPORN SROYMALAI	Cole Information
	CUONG NGUYEN	Cole Information
	HOANG TRAN	Cole Information

FINDINGS

Year	Uses	Source
2000	THUY HO	Cole Information
	CUONG NGUYEN	Cole Information
	SAYED THURAB	Cole Information
1995	Sirlyotin Suriya	Pacific Bell
	Thurab Sayed	Pacific Bell
	THURAB, SAYED	Cole Information
	GREEN, DENNIS	Cole Information
1992	GREEN, DENNIS	Cole Information
	TRAN, DINH	Cole Information
1991	Green Dennis	Pacific Bell
	Tran Dinh	Pacific Bell
1986	Blakely Richard	Pacific Bell
1980	Farrell Frank E	Pacific Telephone
	Nursey Geo A	Pacific Telephone
1975	Biddle P E	Luskey Brothers & Co., Inc.
	Farrell Frank E	Luskey Brothers & Co., Inc.
	Nursey Geo A	Luskey Brothers & Co., Inc.
	Wrye John	Luskey Brothers & Co., Inc.
	Cobb Raymond L	Luskey Brothers & Co., Inc.
1970	Culwell Signe	General Telephone Co., of California
	Federick Arthur	General Telephone Co., of California
	Garber Margaret W	General Telephone Co., of California
1966	ODair Maud M	Pacific Telephone

5962 SANTA BARBARA AVE

Year	Uses	Source
1995	Williamson David W	Pacific Bell
1980	Wargo Robt	Pacific Telephone

SANTA BARBARA CT

5962 SANTA BARBARA CT

Year	Uses	Source
1970	Lee Iva	General Telephone Co., of California

FINDINGS

SANTA BARBARA ST

5822 SANTA BARBARA ST

Year	Uses	Source
1975	Medallion Pool Serv	Luskey Brothers & Co., Inc.

5842 SANTA BARBARA ST

Year	Uses	Source
1975	Chenow eth Myron Dora	Luskey Brothers & Co., Inc.

5872 SANTA BARBARA ST

Year	Uses	Source
1980	Smith J M	Pacific Telephone

SANTA CATALINA

5721 SANTA CATALINA

Year	Uses	Source
1966	Landmeier Jack M	Pacific Telephone

5731 SANTA CATALINA

Year	Uses	Source
1970	Stanley Robt E	General Telephone Co., of California

5751 SANTA CATALINA

Year	Uses	Source
1970	Dixon Harold A	General Telephone Co., of California

5811 SANTA CATALINA

Year	Uses	Source
1970	Bruno Mury	General Telephone Co., of California
1966	Bruno Mury	Pacific Telephone

5842 SANTA CATALINA

Year	Uses	Source
1966	Calver Gary R	Pacific Telephone

5851 SANTA CATALINA

Year	Uses	Source
1970	Casey Jas R	General Telephone Co., of California

5861 SANTA CATALINA

Year	Uses	Source
1970	ROBERTS RAINBOW CARPET DYERS & CLEANERS	General Telephone Co., of California

5881 SANTA CATALINA

Year	Uses	Source
1966	Cook Floyd R	Pacific Telephone

5912 SANTA CATALINA

Year	Uses	Source
1970	Rosen Etta	General Telephone Co., of California

5931 SANTA CATALINA

Year	Uses	Source
1970	Stone Jas L	General Telephone Co., of California
1966	Murray Oliver	Pacific Telephone

SANTA CATALINA AISLE

5711 SANTA CATALINA AISLE

Year	Uses	Source
1991	Isham Ted J	Pacific Bell

5821 SANTA CATALINA AISLE

Year	Uses	Source
1980	Wilson Jimmy L	Pacific Telephone

SANTA CATALINA AVE

5701 SANTA CATALINA AVE

Year	Uses	Source
2020	ROBERT THOME	EDR Digital Archive
	BLANCHE THOME	EDR Digital Archive
2014	ROBERT THOME	Cole Information

FINDINGS

Year	Uses	Source
2010	ROBERT THOME	Cole Information
2005	ROBERT THOME	Cole Information
2000	ROBERT THOME	Cole Information
1995	THOME, ROBERT L	Cole Information
1992	THOME, ROBERT L	Cole Information
1991	Thome Robt L	Pacific Bell
1975	Thome Robt L	Luskey Brothers & Co., Inc.
1966	Le Mond Peter V	Pacific Telephone

5711 SANTA CATALINA AVE

Year	Uses	Source
2020	CONSTANCE FIEFFER	EDR Digital Archive
	JONATHAN FIEFFER	EDR Digital Archive
	JASON FIEFFER	EDR Digital Archive
2014	JASON FIEFFER	Cole Information
2010	JASON FIEFFER	Cole Information
2005	JASON FIEFFER	Cole Information
2000	OCCUPANT UNKNOWN	Cole Information
1995	White R & N	Pacific Bell
	WHITE, RICHARD	Cole Information
1992	ISHAM, TED J	Cole Information
1980	Isham Donna	Pacific Telephone
	Isham Ted J	Pacific Telephone
1966	Vernia Jerry	Pacific Telephone

5721 SANTA CATALINA AVE

Year	Uses	Source
2020	CAROLYN HILL	EDR Digital Archive
	JERRY HILL	EDR Digital Archive
2014	SHELLEY HILL	Cole Information
2010	JERRY HILL	Cole Information
2005	OCCUPANT UNKNOWN	Cole Information
2000	JERRY HILL	Cole Information
1995	HILL, JERRY E	Cole Information

FINDINGS

Year	Uses	Source
1970	Blasque Cypriano	General Telephone Co., of California

5731 SANTA CATALINA AVE

Year	Uses	Source
2020	MICHAEL SHERIDAN	EDR Digital Archive
	DEBBIE SHERIDAN	EDR Digital Archive
	SHERIDAN PATRCK	EDR Digital Archive
	SEAN SHERIDAN	EDR Digital Archive
2014	MIKE SHERIDAN	Cole Information
2010	MIKE SHERIDAN	Cole Information
2005	MICHAEL CRUZ CONSTRUCTION	Cole Information
	MIKE SHERIDAN	Cole Information
2000	MIKE SHERIDAN	Cole Information
1995	Michael Cruz Construction	Pacific Bell
1975	Salamone Jos M	Luskey Brothers & Co., Inc.
1966	Lam Harold D	Pacific Telephone

5741 SANTA CATALINA AVE

Year	Uses	Source
2020	HOA TRUONG	EDR Digital Archive
	KARL TRUONG	EDR Digital Archive
	CHRISTOPHER ECKBERG	EDR Digital Archive
2014	KHON TRUONG	Cole Information
2010	KARL TRUONG	Cole Information
2005	KARL TRUONG	Cole Information
2000	KARL TRUONG	Cole Information
1995	Fambrough Roy	Pacific Bell
	FAMBROUGH, ROY	Cole Information
1992	ECKBERG, GUS	Cole Information
	FAMBROUGH, ROY	Cole Information
1991	Eckberg Chris	Pacific Bell
	Fambrough Roy	Pacific Bell
1986	Fambrough Roy	Pacific Bell
1980	Fambrough Roy	Pacific Telephone

FINDINGS

Year	Uses	Source
1975	Eckert Charles R Janet	Luskey Brothers & Co., Inc.
1970	Eckert Chas R	General Telephone Co., of California

5751 SANTA CATALINA AVE

Year	Uses	Source
2020	JENNIFER SAGMIT	EDR Digital Archive
	RODNEY SAGMIT	EDR Digital Archive
2014	PARRY HAVELAAR	Cole Information
2010	OCCUPANT UNKNOWN	Cole Information
2005	CORAZON SAGMIT	Cole Information
2000	OCCUPANT UNKNOWN	Cole Information
1995	REED, R A	Cole Information
1992	REED, R A	Cole Information
1975	Lafferty Richard L	Luskey Brothers & Co., Inc.
1966	Stewart Bruce	Pacific Telephone

5761 SANTA CATALINA AVE

Year	Uses	Source
2020	LORRAINE BOURGEOIS	EDR Digital Archive
	LACEY HOLLEMAN	EDR Digital Archive
2014	FREDERIK DULLAART	Cole Information
2010	TIMOTHY HOLLEMAN	Cole Information
2005	TIMOTHY HOLLEMAN	Cole Information
2000	JOHN KELLY	Cole Information
1995	elly John	Pacific Bell
	Kelly Joel Lynn	Pacific Bell
	KELLY, JOHN	Cole Information
1992	KELLY, JOHN	Cole Information
1991	Kelly John	Pacific Bell

5771 SANTA CATALINA AVE

Year	Uses	Source
2020	JASON GUTHRIE	EDR Digital Archive
	DANIELLE GUTHRIE	EDR Digital Archive

FINDINGS

Year	Uses	Source
2020	DAWNE STRICKLIN	EDR Digital Archive
	CONSTANTE STRICKLIN	EDR Digital Archive
2014	C STRICKLIN	Cole Information
2010	OCCUPANT UNKNOWN	Cole Information
2005	CARD SHARKS CASINO ENTERTAINMENT	Cole Information
	CONSTANCE STRICKLIN	Cole Information
2000	PAUL GUTHRIE	Cole Information
1995	Stricklin C	Pacific Bell
	STRICKLIN, C	Cole Information
1992	STRICKLIN, C	Cole Information
1991	Stricklin C	Pacific Bell
1986	Stncklin C	Pacific Bell
1980	Strici C	Pacific Telephone
1975	Stricklin C	Luskey Brothers & Co., Inc.
1970	Stricklin C	General Telephone Co., of California
	Stricklin V	General Telephone Co., of California

5791 SANTA CATALINA AVE

Year	Uses	Source
2020	BRANDY RODRIGUEZ	EDR Digital Archive
	JASON RODRIGUEZ	EDR Digital Archive
	CHRISTINA RODRIGUEZ	EDR Digital Archive
2014	JASON RODRIGUEZ	Cole Information
2010	JASON RODRIGUEZ	Cole Information
2005	BRANDON TILL	Cole Information
2000	CARI MASTRACCO	Cole Information
1995	OCCUPANT UNKNOWNN	Cole Information
1986	Arjonilla Felipe	Pacific Bell
1980	Westmoreland Roy St Brenda	Pacific Telephone
1966	Keith Robt E	Pacific Telephone

5801 SANTA CATALINA AVE

Year	Uses	Source
2020	JOSHUA WAL	EDR Digital Archive

FINDINGS

Year	Uses	Source
2020	BEVERLY VANDERWAL	EDR Digital Archive
	JOSHUA VAN DER WAL	EDR Digital Archive
2014	JOSHUA VANDERWAL	Cole Information
2010	JESSICA ENGLAND	Cole Information
2005	OCCUPANT UNKNOWN	Cole Information
2000	GINDEE WANN	Cole Information
1995	OCCUPANT UNKNOWNN	Cole Information

5811 SANTA CATALINA AVE

Year	Uses	Source
2020	CAROLYN HANNON	EDR Digital Archive
2014	PATRICK HANNON	Cole Information
2010	HENRY BARRETT	Cole Information
2005	PATRICK HANNON	Cole Information
2000	MURIEL BRUNO	Cole Information
1995	Bruno Associates	Pacific Bell
	Bruno Mury Bruno Associates	Pacific Bell
	BRUNO ASSOCIATES	Cole Information
1992	BRUNO ASSOCIATES	Cole Information
1991	Bruno Associates	Pacific Bell
	Bruno Mury Bruno Associates	Pacific Bell
1986	Bruno Associates	Pacific Bell
	Bruno Mury Bruno Associates	Pacific Bell
1980	Bruno Associates	Pacific Telephone
1975	Bruno Associates	Luskey Brothers & Co., Inc.
	Bruno Mury Bruno Associates	Luskey Brothers & Co., Inc.
	Bruno Associates	Luskey Brothers & Co., Inc.

5821 SANTA CATALINA AVE

Year	Uses	Source
2020	LEON WILSON	EDR Digital Archive
	KAREN GOTTESMAN	EDR Digital Archive
	NOEL WILSON	EDR Digital Archive
	ANTHONY WILSON	EDR Digital Archive

FINDINGS

Year	Uses	Source
2020	KAREN WILSON	EDR Digital Archive
2014	LEON WILSON	Cole Information
2010	LEON WILSON	Cole Information
2005	LEON WILSON	Cole Information
2000	OCCUPANT UNKNOWN	Cole Information
1995	Wilson Toni	Pacific Bell
	OCCUPANT UNKNOWNN	Cole Information
1975	Wilson Jimmy L	Luskey Brothers & Co., Inc.
	Wilson Jimmy L	Luskey Brothers & Co., Inc.
1970	Wilson Jimmy L	General Telephone Co., of California

5831 SANTA CATALINA AVE

Year	Uses	Source
2020	ARTHUR APARICIO	EDR Digital Archive
	ROBERT NUNEZ	EDR Digital Archive
	RUBEN NUNEZ	EDR Digital Archive
	MONICA APARICIO	EDR Digital Archive
2014	ROBERT NUNEZ	Cole Information
2010	RUBEN NUNEZ	Cole Information
2005	ROBERT NUNEZ	Cole Information
2000	RUBEN NUNEZ	Cole Information
1995	Nunez Ruben E	Pacific Bell
	NUNEZ, RUBEN E	Cole Information
1992	NUNEZ, RUBEN E	Cole Information
1991	Nunez Ruben E	Pacific Bell
1986	Nunez Ruben E	Pacific Bell
1980	Nunez Ruben E	Pacific Telephone
1975	Nunez La Donna L	Luskey Brothers & Co., Inc.
	Nunez Ruben E	Luskey Brothers & Co., Inc.
1970	Nunez La Donna L	General Telephone Co., of California
1966	Nunez La Donna L	Pacific Telephone
	Nunez Ruben E	Pacific Telephone

FINDINGS

5841 SANTA CATALINA AVE

Year	Uses	Source
2020	SCOTT MILLER	EDR Digital Archive
	AMANDA MILLER	EDR Digital Archive
2014	CARL PEASLEE	Cole Information
2010	CARL PEASLEE	Cole Information
2005	CARL PEASLEE	Cole Information
2000	CARL PEASLEE	Cole Information
1995	Peaslee Carl W	Pacific Bell
	PEASLEE, CARL W	Cole Information
1991	Peaslee Carl W	Pacific Bell
1986	Peaslee Carl W	Pacific Bell
1980	Peaslee Carl W	Pacific Telephone
1975	Peaslee Carl W	Luskey Brothers & Co., Inc.
	Peaslee Carl W	Luskey Brothers & Co., Inc.
1966	Peaslee Carl W	Pacific Telephone

5842 SANTA CATALINA AVE

Year	Uses	Source
2020	SARAH LOPEZ	EDR Digital Archive
	SAM LOPEZ	EDR Digital Archive
	SHANNON LOPEZ	EDR Digital Archive
	NANCY LOPEZ	EDR Digital Archive
2014	SAM LOPEZ	Cole Information
2010	SAM LOPEZ	Cole Information
2005	SAM LOPEZ	Cole Information
1995	OCCUPANT UNKNOWNN	Cole Information
1975	Wilson Sheila D	Luskey Brothers & Co., Inc.
1970	Burkhart Jas R IT	General Telephone Co., of California

5851 SANTA CATALINA AVE

Year	Uses	Source
2020	ISRAEL MOSQUEDA	EDR Digital Archive
	PAIGE MOSQUEDA	EDR Digital Archive
2014	ISRAEL MOSQUEDA	Cole Information

FINDINGS

Year	Uses	Source
2010	OCCUPANT UNKNOWN	Cole Information
2005	PHYLLIS GERLING	Cole Information
1995	OCCUPANT UNKNOWNN	Cole Information
1975	Davis C H	Luskey Brothers & Co., Inc.
1966	Wade John W	Pacific Telephone

5852 SANTA CATALINA AVE

Year	Uses	Source
2014	TIFFANY MCGUIGAN	Cole Information
2010	JOY SCHMITT	Cole Information
2005	JOY SCHMITT	Cole Information
1980	Schmitt Robt C	Pacific Telephone
1975	Schmitt Robt C	Luskey Brothers & Co., Inc.
1970	Schmiitt Robt C	General Telephone Co., of California
1966	Schmitt Robt C	Pacific Telephone

5861 SANTA CATALINA AVE

Year	Uses	Source
2020	KRITIKI	EDR Digital Archive
	MARLENE POST	EDR Digital Archive
	KARL POST	EDR Digital Archive
2014	KARL POST	Cole Information
2010	EDWARD POST	Cole Information
2005	EDWARD POST	Cole Information
2000	EDWARD POST	Cole Information
1995	Post Edw K	Pacific Bell
	POST, EDWARD K	Cole Information
1992	POST, EDWARD K	Cole Information
1991	Post Edw K	Pacific Bell
1986	Post Edw K	Pacific Bell
1975	Post Edw K	Luskey Brothers & Co., Inc.
	Post Edw ard K Mariene	Luskey Brothers & Co., Inc.

FINDINGS

5862 SANTA CATALINA AVE

Year	Uses	Source
2020	KELLY SKYLES	EDR Digital Archive
2014	OCCUPANT UNKNOWN	Cole Information
2010	ROBERT MINCY	Cole Information
2005	ROBERT MINCY	Cole Information
2000	ROBERT MINCY	Cole Information
1995	Mincy Robt H	Pacific Bell
	MINCY, ROBERT H	Cole Information
1992	MINCY, ROBERT H	Cole Information
1991	Mincy Robt H	Pacific Bell
1986	Mincy Robt D	Pacific Bell
	Mincy Robt H	Pacific Bell
1975	Mincy Robert H	Luskey Brothers & Co., Inc.
1970	Mincy Robt H	General Telephone Co., of California
1966	Mincy Robt H	Pacific Telephone

5871 SANTA CATALINA AVE

Year	Uses	Source
2020	KRISTINA TOVAR	EDR Digital Archive
	RITA TOVAR	EDR Digital Archive
	MARIO TOVAR	EDR Digital Archive
2014	MARIO TOVAR	Cole Information
2010	MARIO TOVAR	Cole Information
2005	MARIO TOVAR	Cole Information
2000	MARIO TOVAR	Cole Information
1975	Borud Loyd E	Luskey Brothers & Co., Inc.
	Borud Loyd E Betty	Luskey Brothers & Co., Inc.
1966	Surges Don W	Pacific Telephone

5872 SANTA CATALINA AVE

Year	Uses	Source
2020	ANDREW MARCHETTE	EDR Digital Archive
	JOY MARCHETTE	EDR Digital Archive
2014	JOYLANE MARCHETTE	Cole Information

Year	Uses	Source
2010	ANDREW MARCHETTE	Cole Information
2005	ANDREW MARCHETTE	Cole Information
2000	OCCUPANT UNKNOWN	Cole Information
1975	Marchette Andrew D	Luskey Brothers & Co., Inc.
	Marchette J A	Luskey Brothers & Co., Inc.
	Marchette Andrew D	Luskey Brothers & Co., Inc.
1970	Marchete J A	General Telephone Co., of California

5881 SANTA CATALINA AVE

Year	Uses	Source
2014	SEAN BRYAN	Cole Information
2010	SEAN BRYAN	Cole Information
2005	SEAN BRYAN	Cole Information
2000	SEAN BRYAN	Cole Information
1995	Bryan Seen	Pacific Bell
	BRYAN, SEAN	Cole Information
1992	BRYAN, SEAN	Cole Information
1980	petue Lyn R	Pacific Telephone
1975	Combs Douglas G	Luskey Brothers & Co., Inc.

5882 SANTA CATALINA AVE

Year	Uses	Source
2020	MARIA BONTUYAN	EDR Digital Archive
	KIANA SANCHEZ	EDR Digital Archive
	MATTHEW AMADOR	EDR Digital Archive
	NANCY COLLISON	EDR Digital Archive
2014	MATTHEW AMADOR	Cole Information
2010	KENNETH HENLEY	Cole Information
2000	KENNETH HENLEY	Cole Information
1995	MEDINA, SHEILA	Cole Information

5891 SANTA CATALINA AVE

Year	Uses	Source
2020	JOSEPH SISNEROS	EDR Digital Archive

FINDINGS

Year	Uses	Source
2020	THOMAS SISNEROS	EDR Digital Archive
	OLIVIA SISNEROS	EDR Digital Archive
	MATTHEW SISNEROS	EDR Digital Archive
2014	THOMAS SISNEROS	Cole Information
2010	THOMAS SISNEROS	Cole Information
2005	JOHN REIDER	Cole Information
2000	THOMAS SISNEROS	Cole Information
1995	Sisneros Thos	Pacific Bell
	SISNEROS, THOMAS	Cole Information
1992	SISNEROS, THOMAS	Cole Information
1991	Sisneros Thos	Pacific Bell
1986	Sisneros Thos	Pacific Bell
1975	Brito Chris Jr	Luskey Brothers & Co., Inc.
	Brito Chris Jr	Luskey Brothers & Co., Inc.
1966	Ensing John J	Pacific Telephone

5892 SANTA CATALINA AVE

Year	Uses	Source
2020	GERARDO DIAZ	EDR Digital Archive
	VERONICA DIAZ	EDR Digital Archive
2014	GERARDO DIAZ	Cole Information
2010	GERARDO DIAZ	Cole Information
2005	RICHARD FRANK	Cole Information
2000	RICHARD FRANK	Cole Information
1975	Frank Richard D	Luskey Brothers & Co., Inc.

5911 SANTA CATALINA AVE

Year	Uses	Source
2020	SYLVIA ARBALLO	EDR Digital Archive
	STEPHANIE KING	EDR Digital Archive
2014	RICHARD KING	Cole Information
2010	RICHARD KING	Cole Information
2005	MAVERIK INC	Cole Information
	RICHARD KING	Cole Information

FINDINGS

Year	Uses	Source
2000	DORENE BASILE	Cole Information
1995	LIvInsky Darw in	Pacific Bell
	LIVINSKY, DARWIN	Cole Information

5912 SANTA CATALINA AVE

Year	Uses	Source
2014	OCCUPANT UNKNOWN	Cole Information
2010	LILLY BELANGER	Cole Information
2000	SCOTT BELANGER	Cole Information
1995	BELANGER, SCOTT	Cole Information
1992	LOTIEF, CECIL	Cole Information
1991	Lotief Cecil	Pacific Bell
1975	Rosen Etta	Luskey Brothers & Co., Inc.
	Rosen Etta Mrs	Luskey Brothers & Co., Inc.
1966	Rosen Hyman L	Pacific Telephone

5921 SANTA CATALINA AVE

Year	Uses	Source
2020	MARK HANNAH	EDR Digital Archive
2014	MARK HANNAH	Cole Information
2010	MARK HANNAH	Cole Information
2005	MARK HANNAH	Cole Information
2000	OCCUPANT UNKNOWN	Cole Information
1995	OCCUPANT UNKNOWNN	Cole Information
1975	Buehler Herbert Jr	Luskey Brothers & Co., Inc.
	Buehler Herbert Jr	Luskey Brothers & Co., Inc.

5922 SANTA CATALINA AVE

Year	Uses	Source
2020	WENDY TUCKER	EDR Digital Archive
	WENDY REECE	EDR Digital Archive
	JUNIE LEARY	EDR Digital Archive
	DARREN REECE	EDR Digital Archive
2014	DARREN REECE	Cole Information

FINDINGS

Year	Uses	Source
2010	JUNE LEARY	Cole Information
2005	JUNE LEARY	Cole Information
2000	RAYMOND LEARY	Cole Information
1995	Leary Raymond E & Jeanette B	Pacific Bell
	LEARY, RAYMOND E	Cole Information
1992	LEARY, RAYMOND E	Cole Information
1991	Leary Jintana	Pacific Bell
	Leary Raymond E & Jeanette B	Pacific Bell
	Leary Robert V	Pacific Bell
	Leary TPat @La Habra@	Pacific Bell
1986	Leary Jintana	Pacific Bell
	Leary Raymond E & Jeanette B	Pacific Bell
1980	Leary Raymond E & Jeanette B	Pacific Telephone
	Leery Jintana	Pacific Telephone
1975	Leary Jintana	Luskey Brothers & Co., Inc.
	Leary R E	Luskey Brothers & Co., Inc.
1966	Burkholder Lloyd K	Pacific Telephone

5931 SANTA CATALINA AVE

Year	Uses	Source
2020	ANNE STONE	EDR Digital Archive
2014	JAMES STONE	Cole Information
2010	JAMES STONE	Cole Information
2005	JAMES STONE	Cole Information
2000	JAMES STONE	Cole Information
1995	Stone Jas & Anne	Pacific Bell
	STONE, JAMES	Cole Information
1992	STONE, JAMES	Cole Information
1991	Stone Jas & Anne	Pacific Bell
1986	Stone Jas & Anne	Pacific Bell
1980	Stone Jas & Anne	Pacific Telephone
1975	Stone Jas L	Luskey Brothers & Co., Inc.

FINDINGS

5932 SANTA CATALINA AVE

Year	Uses	Source
2020	DAT NGO	EDR Digital Archive
	KATHIE NGUYEN	EDR Digital Archive
	CHRISTINA NGO	EDR Digital Archive
	JOYCE GUINN	EDR Digital Archive
2014	DANIEL NGUYEN	Cole Information
2010	DAT NGO	Cole Information
2005	LUONG NGUYEN	Cole Information
2000	DAT NGO	Cole Information
	CAM DUONG	Cole Information
1995	Guinn J M	Pacific Bell
	GUINN, J M	Cole Information
1991	Guinn JM	Pacific Bell
1986	Carter Ten	Pacific Bell
	Guinn J M	Pacific Bell
1980	I Guinn J M	Pacific Telephone
1975	Guinn Chesley P	Luskey Brothers & Co., Inc.
	Guinn Chesley P	Luskey Brothers & Co., Inc.
1966	St John Gary L	Pacific Telephone

SANTA CATALINA CIR

5861 SANTA CATALINA CIR

Year	Uses	Source
1980	Post Edw K	Pacific Telephone

5892 SANTA CATALINA CIR

Year	Uses	Source
1970	Frank Richard D	General Telephone Co., of California

SCHOOLER J 11625 JAVA

6 SCHOOLER J 11625 JAVA

Year	Uses	Source
1995	Schoolcraft J A	Pacific Bell

FINDINGS

ST MARK ST

11771 ST MARK ST

Year	Uses	Source
1995	Bardian Chester	Pacific Bell
1991	Roderack Edw	Pacific Bell
1970	Jensen Norman C	General Telephone Co., of California

11772 ST MARK ST

Year	Uses	Source
1980	Pagh Geo L	Pacific Telephone

11782 ST MARK ST

Year	Uses	Source
1975	Hausman Philip	Luskey Brothers & Co., Inc.
	Fairfield Frank J Gloria	Luskey Brothers & Co., Inc.

11791 ST MARK ST

Year	Uses	Source
1986	Butler Jas A	Pacific Bell
1980	Butler Jas A	Pacific Telephone
1975	Butler Jas A	Luskey Brothers & Co., Inc.
	Butler James A Ann	Luskey Brothers & Co., Inc.
1970	Butler Jas A	General Telephone Co., of California

11802 ST MARK ST

Year	Uses	Source
1995	Smeins Harry F	Pacific Bell
1991	Smeins Harry F	Pacific Bell
1986	Smeins Harry F	Pacific Bell
1980	Smeins Harry F	Pacific Telephone
1975	Smeins Harry F	Luskey Brothers & Co., Inc.
	Smeins Harry F	Luskey Brothers & Co., Inc.

11811 ST MARK ST

Year	Uses	Source
1991	Thompson Holt	Pacific Bell

FINDINGS

Year	Uses	Source
1986	Scales P L	Pacific Bell
1975	Thompson Holt C	Luskey Brothers & Co., Inc.

11812 ST MARK ST

Year	Uses	Source
1975	McWilliams George J Mary	Luskey Brothers & Co., Inc.

11821 ST MARK ST

Year	Uses	Source
1975	Muhs Harold	Luskey Brothers & Co., Inc.
1970	Muhs Harold	General Telephone Co., of California

11822 ST MARK ST

Year	Uses	Source
1975	Woolery Sharon A	Luskey Brothers & Co., Inc.
1970	Woolery Sharon A	General Telephone Co., of California

11832 ST MARK ST

Year	Uses	Source
1995	Carter BD	Pacific Bell
	Carter Kelly	Pacific Bell
1991	Carter B D	Pacific Bell
1986	Carter BD	Pacific Bell
1980	Carter B D	Pacific Telephone
1975	Carter H Steven	Luskey Brothers & Co., Inc.

11841 ST MARK ST

Year	Uses	Source
1995	Smith Harri & Beth	Pacific Bell
1986	Austin Larry & Diane	Pacific Bell
1975	Bill Wallace L	Luskey Brothers & Co., Inc.
1970	Galindo Garry G	General Telephone Co., of California

11842 ST MARK ST

Year	Uses	Source
1980	Wallace Dan	Pacific Telephone

Year	Uses	Source
1975	Keith Chas J	Luskey Brothers & Co., Inc.
1970	Jackson Robt I	General Telephone Co., of California

11852 ST MARK ST

Year	Uses	Source
1975	Zambrana Richard J	Luskey Brothers & Co., Inc.
	Domerego Jean	Luskey Brothers & Co., Inc.
1970	Montgomery Chas E	General Telephone Co., of California

ST MARKS DR

11771 ST MARKS DR

Year	Uses	Source
1966	Jensen Norman C	Pacific Telephone

11772 ST MARKS DR

Year	Uses	Source
1966	Hathaway David B LCdr USN	Pacific Telephone

11791 ST MARKS DR

Year	Uses	Source
1966	Butler Jas A	Pacific Telephone

11802 ST MARKS DR

Year	Uses	Source
1966	Smeins Harry F	Pacific Telephone

11811 ST MARKS DR

Year	Uses	Source
1966	Gillette Lulu B	Pacific Telephone
	Thompson Holt C	Pacific Telephone

11812 ST MARKS DR

Year	Uses	Source
1966	Mc Williams Geo J	Pacific Telephone

11832 ST MARKS DR

Year	Uses	Source
1966	Carter H Steven	Pacific Telephone

11841 ST MARKS DR

Year	Uses	Source
1966	Justice Wm E	Pacific Telephone

11842 ST MARKS DR

Year	Uses	Source
1966	Jackson Robt I	Pacific Telephone

TUNSTALL LN

11772 TUNSTALL LN

Year	Uses	Source
1975	Moore B R	Luskey Brothers & Co., Inc.
1970	Sessler Betty	General Telephone Co., of California

TUNSTALL ST

11772 TUNSTALL ST

Year	Uses	Source
2020	KIMBERLY MICHAEL	EDR Digital Archive
	JAMES MICHAEL	EDR Digital Archive
2014	JAMES MICHAEL	Cole Information
2010	KIM MICHAEL	Cole Information
2005	STEVEN YENNIE	Cole Information
2000	BETTY MOORE	Cole Information
1995	GREVIS, SHELLI	Cole Information
1992	MOORE, BETTY R	Cole Information
1975	Moore B R	Luskey Brothers & Co., Inc.

WAKE CIR

11698 WAKE CIR

Year	Uses	Source
2020	ROBERT CATERNOLO	EDR Digital Archive

FINDINGS

Year	Uses	Source
2014	RONALD CASTILLO	Cole Information
2010	RONALD CASTILLO	Cole Information
2005	RONALD CASTILLO	Cole Information
1986	OToole Terence	Pacific Bell

FINDINGS

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched	Address Not Identified in Research Source
1 11693 GUAM CIR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
10 11670 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
10603 MIDWAY AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11591 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11591 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11591 RABAUL DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11591 RABAUL DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11591 RABAUL DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11591 RABAUL DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11592 RABAUL DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11592 RABAUL DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11592 RABAUL DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11592 RABAUL DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11592 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
11592 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11592 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11592 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11592 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11601 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11601 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11601 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11601 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11601 RABAUL DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11601 RABAUL DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11601 RABAUL DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11601 RABAUL DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11602 RABAUL DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11602 RABAUL DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11602 RABAUL DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11602 RABAUL DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
11602 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11602 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11602 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11602 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11610 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11610 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11610 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11610 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11610 MIDWAY DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11610 MIDWAY DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11610 MIDWAY DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11610 MIDWAY DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11610 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11611 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11611 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11611 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
11611 RABAUL DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11611 RABAUL DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11611 RABAUL DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11611 RABAUL DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11612 RABAUL DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11612 RABAUL DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11612 RABAUL DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11612 RABAUL DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11612 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11612 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11619 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11619 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11619 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11619 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11619 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11619 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
11619 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11619 MIDWAY DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11619 MIDWAY DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11619 MIDWAY DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11619 MIDWAY DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11619 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11620 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11620 MIDWAY DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11620 MIDWAY DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11620 MIDWAY DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11620 MIDWAY DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11620 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11620 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11620 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11620 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11620 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
11620 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11621 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11621 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11621 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11621 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11621 RABAUL DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11621 RABAUL DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11621 RABAUL DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11621 RABAUL DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11622 RABAUL DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11622 RABAUL DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11622 RABAUL DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11622 RABAUL DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11622 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11622 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11622 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
11622 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11622 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11622 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11623 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11623 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11623 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11623 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11623 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11623 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11623 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11623 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11623 MANILA DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11623 MANILA DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11623 MANILA DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11623 MANILA DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11624 MANILA DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
11624 MANILA DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11624 MANILA DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11624 MANILA DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11624 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11624 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11624 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11624 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11624 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11624 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11624 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11625 JAVA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11625 JAVA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11625 JAVA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11625 JAVA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11625 JAVA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11625 JAVA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
11625 JAVA ST	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11625 JAVA ST	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11625 JAVA ST	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11625 JAVA ST	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11629 MIDWAY DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11629 MIDWAY DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11629 MIDWAY DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11629 MIDWAY DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11629 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11629 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11629 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11629 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11631 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11631 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11631 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11631 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

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Address Researched	Address Not Identified in Research Source
11631 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11631 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11631 RABAUL DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11631 RABAUL DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11631 RABAUL DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11631 RABAUL DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11632 RABAUL DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11632 RABAUL DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11632 RABAUL DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11632 RABAUL DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11632 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11632 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11632 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11632 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11633 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11633 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
11633 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11633 MANILA DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11633 MANILA DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11633 MANILA DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11633 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11634 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11634 MANILA DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11634 MANILA DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11634 MANILA DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11634 MANILA DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11634 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11634 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11634 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11634 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11634 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11634 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
11635 JAVA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11635 JAVA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11635 JAVA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11635 JAVA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11635 JAVA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11635 JAVA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11635 JAVA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11635 JAVA ST	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11635 JAVA ST	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11635 JAVA ST	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11635 JAVA ST	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11639 MIDWAY DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11639 MIDWAY DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11639 MIDWAY DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11639 MIDWAY DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11639 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
11639 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11639 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11639 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11639 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11639 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11639 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11639 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11640 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11640 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11640 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11640 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11640 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11640 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11640 MIDWAY DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11640 MIDWAY DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11640 MIDWAY DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
11640 MIDWAY DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11641 RABAUL DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11641 RABAUL DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11641 RABAUL DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11641 RABAUL DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11641 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11641 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11641 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11641 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11641 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11641 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11641 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11642 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11642 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11642 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11642 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
11642 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11642 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11642 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11642 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11642 RABAUL DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11642 RABAUL DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11642 RABAUL DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11642 RABAUL DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11643 MANILA DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11643 MANILA DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11643 MANILA DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11643 MANILA DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11643 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11643 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11643 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11643 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
11643 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11644 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11644 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11644 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11644 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11644 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11644 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11644 MANILA DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11644 MANILA DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11644 MANILA DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11644 MANILA DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11644 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11644 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11645 JAVA ST	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11645 JAVA ST	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11645 JAVA ST	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

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Address Researched	Address Not Identified in Research Source
11645 JAVA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11645 JAVA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11649 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11649 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11649 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11649 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11649 MIDWAY DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11649 MIDWAY DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11649 MIDWAY DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11650 MIDWAY DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11650 MIDWAY DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11650 MIDWAY DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11650 MIDWAY DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11650 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11650 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11650 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
11651 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11651 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11651 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11651 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11651 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11651 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11651 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11651 RABAUL DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11651 RABAUL DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11651 RABAUL DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11652 RABAUL DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11652 RABAUL DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11652 RABAUL DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11652 RABAUL DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11652 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11652 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

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Address Researched	Address Not Identified in Research Source
11652 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11653 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11653 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11653 MANILA DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11653 MANILA DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11653 MANILA DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11653 MANILA DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11654 MANILA DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11654 MANILA DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11654 MANILA DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11654 MANILA DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11654 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11654 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11654 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11654 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11654 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

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Address Researched	Address Not Identified in Research Source
11654 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11655 JAVA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11655 JAVA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11655 JAVA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11655 JAVA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11655 JAVA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11655 JAVA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11655 JAVA ST	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11655 JAVA ST	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11655 JAVA ST	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11655 JAVA ST	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11659 MIDWAY DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11659 MIDWAY DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11659 MIDWAY DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11659 MIDWAY DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11659 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
11659 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11659 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11659 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11659 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11659 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11659 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11659 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11660 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11660 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11660 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11660 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11660 MIDWAY DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11660 MIDWAY DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11660 MIDWAY DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11660 MIDWAY DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11661 RABAUL DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
11661 RABAUL DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11661 RABAUL DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11661 RABAUL DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11661 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11661 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11661 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11661 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11661 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11661 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11661 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11662 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11662 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11662 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11662 RABAUL DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11662 RABAUL DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11662 RABAUL DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
11662 RABAUL DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11662 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11663 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11663 MANILA DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11663 MANILA DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11663 MANILA DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11663 MANILA DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11663 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11663 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11664 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11664 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11664 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11664 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11664 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11664 MANILA DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11664 MANILA DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
11664 MANILA DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11664 MANILA DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11664 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11665 JAVA ST	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11665 JAVA ST	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11665 JAVA ST	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11665 JAVA ST	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11665 JAVA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11665 JAVA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11665 JAVA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11669 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11669 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11669 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11669 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11669 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11669 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
11669 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11669 MIDWAY DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11669 MIDWAY DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11669 MIDWAY DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11670 MIDWAY DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11670 MIDWAY DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11670 MIDWAY DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11670 MIDWAY DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11670 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11670 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11670 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11670 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11671 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11671 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11671 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11671 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

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Address Researched	Address Not Identified in Research Source
11671 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11671 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11671 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11671 RABAUL DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11671 RABAUL DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11671 RABAUL DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11671 RABAUL DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11672 RABAUL DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11672 RABAUL DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11672 RABAUL DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11672 RABAUL DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11672 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11672 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11673 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11673 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11673 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

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Address Researched	Address Not Identified in Research Source
11673 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11673 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11673 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11673 MANILA DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11673 MANILA DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11673 MANILA DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11673 MANILA DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11673 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11673 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11674 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11674 MANILA DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11674 MANILA DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11674 MANILA DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11674 MANILA DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11674 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11674 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
11675 JAVA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11675 JAVA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11675 JAVA ST	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11675 JAVA ST	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11675 JAVA ST	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11676 JAVA ST	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11676 JAVA ST	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11676 JAVA ST	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11676 JAVA ST	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11676 JAVA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11676 JAVA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11676 JAVA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11676 JAVA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11676 JAVA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11676 JAVA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11677 GUAM CIR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
11677 GUAM CIR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11677 GUAM CIR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11677 GUAM CIR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11677 GUAM CIR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11677 GUAM CIR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11678 GUAM CIR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11678 GUAM CIR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11678 GUAM CIR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11678 GUAM CIR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11678 GUAM CIR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11678 GUAM CIR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11679 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11679 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11679 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11679 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11679 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
11679 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11679 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11679 MIDWAY DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11679 MIDWAY DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11679 MIDWAY DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11679 MIDWAY DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11680 MIDWAY DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11680 MIDWAY DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11680 MIDWAY DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11680 MIDWAY DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11680 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11680 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11680 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11680 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11680 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11680 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
11681 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11681 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11681 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11681 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11681 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11681 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11681 RABAUL DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11681 RABAUL DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11681 RABAUL DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11681 RABAUL DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11682 RABAUL DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11682 RABAUL DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11682 RABAUL DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11682 RABAUL DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11682 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11682 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

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11682 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11682 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11682 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11682 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11683 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11683 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11683 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11683 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11683 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11683 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11683 MANILA DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11683 MANILA DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11683 MANILA DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11683 MANILA DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11684 MANILA DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

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Address Researched	Address Not Identified in Research Source
11684 MANILA DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11684 MANILA DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11684 MANILA DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11684 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11684 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11684 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11684 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11685 JAVA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11685 JAVA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11685 JAVA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11685 JAVA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11685 JAVA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11685 JAVA ST	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11685 JAVA ST	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11685 JAVA ST	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11685 JAVA ST	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
11686 JAVA ST	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11686 JAVA ST	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11686 JAVA ST	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11686 JAVA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11686 JAVA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11687 GUAM CIR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11687 GUAM CIR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11687 GUAM CIR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11687 GUAM CIR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11687 GUAM CIR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11687 GUAM CIR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11687 GUAM CIR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11688 GUAM CIR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11688 GUAM CIR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11688 GUAM CIR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11688 GUAM CIR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
11688 GUAM CIR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11688 GUAM CIR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11688 GUAM CIR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11688 GUAM CIR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11688 GUAM CIR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11688 GUAM CIR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11689 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11689 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11689 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11689 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11689 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11689 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11689 MIDWAY DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11689 MIDWAY DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11689 MIDWAY DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11690 GUAM CIR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

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11690 GUAM CIR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11690 GUAM CIR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11690 GUAM CIR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11690 GUAM CIR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11690 MIDWAY DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11690 MIDWAY DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11690 MIDWAY DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11690 MIDWAY DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11690 MIDWAY DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11691 GUAM CIR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11691 GUAM CIR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11691 GUAM CIR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11691 GUAM CIR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11691 GUAM CIR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11691 GUAM CIR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11691 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

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Address Researched	Address Not Identified in Research Source
11691 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11691 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11691 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11691 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11691 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11691 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11691 RABAUL DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11691 RABAUL DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11691 RABAUL DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11691 RABAUL DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11692 GUAM CIR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11692 GUAM CIR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11692 GUAM CIR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11692 GUAM CIR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11692 GUAM CIR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11692 GUAM CIR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
11692 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11692 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11692 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11692 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11692 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11692 RABAUL DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11692 RABAUL DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11692 RABAUL DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11692 RABAUL DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11692 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11693 GUAM CIR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11693 GUAM CIR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11693 GUAM CIR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11693 GUAM CIR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11693 GUAM CIR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11693 GUAM CIR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

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Address Researched	Address Not Identified in Research Source
11693 GUAM CIR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11693 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11693 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11693 MANILA DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11693 MANILA DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11693 MANILA DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11693 MANILA DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11694 JAVA ST	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11694 JAVA ST	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11694 JAVA ST	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11694 JAVA ST	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11694 JAVA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11694 JAVA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11694 JAVA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11694 JAVA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11694 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

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Address Researched	Address Not Identified in Research Source
11694 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11694 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11694 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11694 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11694 MANILA DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11694 MANILA DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11694 MANILA DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11694 MANILA DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11694 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11694 MANILA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11695 JAVA ST	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11695 JAVA ST	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11695 JAVA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11695 JAVA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11695 JAVA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11695 JAVA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
11696 JAVA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11696 JAVA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11696 JAVA ST	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11696 JAVA ST	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11696 JAVA ST	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11696 JAVA ST	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11697 GUAM CIR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11697 GUAM CIR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11697 GUAM CIR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11697 GUAM CIR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11697 GUAM CIR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11697 GUAM CIR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11698 GUAM CIR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11698 GUAM CIR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11698 GUAM CIR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11698 GUAM CIR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
11698 WAKE CIR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11698 WAKE CIR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11698 WAKE CIR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11698 WAKE CIR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11698 WAKE CIR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11699 GUAM CIR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11699 GUAM CIR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11699 GUAM CIR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11699 GUAM CIR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11711 SAINT MARK ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11771 SAINT MARK ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11771 SAINT MARK ST	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11771 SAINT MARK ST	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11771 SAINT MARK ST	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11771 SAINT MARK ST	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11771 ST MARK ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
11771 ST MARK ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11771 ST MARK ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11771 ST MARKS DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11772 SAINT MARK ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11772 SAINT MARK ST	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11772 SAINT MARK ST	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11772 SAINT MARK ST	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11772 SAINT MARK ST	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11772 ST MARK ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11772 ST MARKS DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11772 TUNSTALL LN	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11772 TUNSTALL LN	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11772 TUNSTALL ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11772 TUNSTALL ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11772 TUNSTALL ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11772 TUNSTALL ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
11772 TUNSTALL ST	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11772 TUNSTALL ST	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11772 TUNSTALL ST	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11772 TUNSTALL ST	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11782 SAINT MARK ST	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11782 SAINT MARK ST	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11782 SAINT MARK ST	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11782 SAINT MARK ST	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11782 SAINT MARK ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11782 ST MARK ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11791 SAINT MARK ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11791 SAINT MARK ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11791 SAINT MARK ST	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11791 SAINT MARK ST	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11791 ST MARK ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11791 ST MARK ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
11791 ST MARK ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11791 ST MARK ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11791 ST MARKS DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11801 SAINT MARK ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11801 SAINT MARK ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11801 SAINT MARK ST	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11801 SAINT MARK ST	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11801 SAINT MARK ST	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11802 SAINT MARK ST	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11802 SAINT MARK ST	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11802 SAINT MARK ST	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11802 SAINT MARK ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11802 SAINT MARK ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11802 SAINT MARK ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11802 ST MARK ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11802 ST MARK ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
11802 ST MARK ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11802 ST MARK ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11802 ST MARK ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11802 ST MARKS DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11811 SAINT MARK ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11811 SAINT MARK ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11811 SAINT MARK ST	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11811 SAINT MARK ST	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11811 SAINT MARK ST	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11811 SAINT MARK ST	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11811 ST MARK ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11811 ST MARK ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11811 ST MARK ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11811 ST MARKS DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11812 SAINT MARK ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11812 SAINT MARK ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
11812 SAINT MARK ST	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11812 SAINT MARK ST	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11812 SAINT MARK ST	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11812 SAINT MARK ST	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11812 ST MARK ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11812 ST MARKS DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11821 SAINT MARK ST	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11821 SAINT MARK ST	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11821 SAINT MARK ST	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11821 SAINT MARK ST	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11821 SAINT MARK ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11821 ST MARK ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11821 ST MARK ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11822 SAINT MARK ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11822 SAINT MARK ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11822 SAINT MARK ST	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
11822 SAINT MARK ST	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11822 SAINT MARK ST	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11822 SAINT MARK ST	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11822 ST MARK ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11822 ST MARK ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11831 SAINT MARK ST	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11831 SAINT MARK ST	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11831 SAINT MARK ST	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11831 SAINT MARK ST	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11831 SAINT MARK ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11832 SAINT MARK ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11832 SAINT MARK ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11832 SAINT MARK ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11832 SAINT MARK ST	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11832 SAINT MARK ST	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11832 SAINT MARK ST	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
11832 SAINT MARK ST	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11832 ST MARK ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11832 ST MARK ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11832 ST MARK ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11832 ST MARK ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11832 ST MARK ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11832 ST MARKS DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11841 SAINT MARK ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11841 SAINT MARK ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11841 SAINT MARK ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11841 SAINT MARK ST	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11841 SAINT MARK ST	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11841 SAINT MARK ST	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11841 ST MARK ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11841 ST MARK ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11841 ST MARK ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
11841 ST MARK ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11841 ST MARKS DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11842 BAILEY ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11842 BAILEY ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11842 BAILEY ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11842 BAILEY ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11842 BAILEY ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11842 BAILEY ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11842 BAILEY ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11842 BAILEY ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11842 BAILEY ST	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11842 BAILEY ST	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11842 BAILEY ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11842 BAILEY ST	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11842 BAILEY ST	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11842 BAILY	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
11842 SAINT MARK ST	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11842 SAINT MARK ST	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11842 SAINT MARK ST	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11842 SAINT MARK ST	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11842 SAINT MARK ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11842 SAINT MARK ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11842 ST MARK ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11842 ST MARK ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11842 ST MARK ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11842 ST MARKS DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11851 BAILEY ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11851 BAILEY ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11851 BAILEY ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11851 BAILEY ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11851 BAILEY ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11851 BAILEY ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

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Address Researched	Address Not Identified in Research Source
11851 BAILEY ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11851 BAILEY ST	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11851 BAILEY ST	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11851 BAILEY ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11851 BAILEY ST	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11851 BAILEY ST	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11852 BAILEY ST	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11852 BAILEY ST	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11852 BAILEY ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11852 BAILEY ST	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11852 BAILEY ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11852 BAILEY ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11852 BAILEY ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11852 BAILEY ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11852 BAILEY ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11852 BAILEY ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

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Address Researched	Address Not Identified in Research Source
11852 BAILEY ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11852 BAILY	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11852 BALLY	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11852 SAINT MARK ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11852 SAINT MARK ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11852 SAINT MARK ST	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11852 SAINT MARK ST	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11852 SAINT MARK ST	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11852 SAINT MARK ST	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11852 ST MARK ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11852 ST MARK ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11861 BAILEY ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11861 BAILEY ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11861 BAILEY ST	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11861 BAILEY ST	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11861 BAILEY ST	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
11861 BAILEY ST	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11861 BAILEY ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11861 BAILEY ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11861 BAILEY ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11861 BAILEY ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11861 BAILEY ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11861 BAILEY ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11862 BAILEY ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11862 BAILEY ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11862 BAILEY ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11862 BAILEY ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11862 BAILEY ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11862 BAILEY ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11862 BAILEY ST	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11862 BAILEY ST	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11862 BAILEY ST	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
11862 BAILEY ST	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11862 BAILEY ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11862 BAILY	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11871 BAILEY ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11871 BAILEY ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11871 BAILEY ST	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11871 BAILEY ST	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11871 BAILEY ST	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11871 BAILEY ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11871 BAILEY ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11871 BAILEY ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11871 BAILEY ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11871 BAILEY ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11882 BAILEY ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11882 BAILEY ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11882 BAILEY ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
11882 BAILEY ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11882 BAILEY ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11882 BAILEY ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11882 BAILEY ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11882 BAILEY ST	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11882 BAILEY ST	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11882 BAILEY ST	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11882 BAILEY ST	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11882 BAILEY ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11882 BAILEY ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5694 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5694 APIA DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5694 APIA DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5694 APIA DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5694 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5694 APIA DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
5694 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5694 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5694 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5694 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5694 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5701 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5701 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5701 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5701 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5701 SANTA CATALINA AVE	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5701 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5701 SANTA CATALINA AVE	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5701 SANTA CATALINA AVE	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5701 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5701 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5704 APIA DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
5704 APIA DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5704 APIA DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5704 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5704 APIA DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5704 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5704 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5704 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5704 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5704 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5711 SANTA CATALINA AISLE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5711 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5711 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5711 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5711 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5711 SANTA CATALINA AVE	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5711 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
5711 SANTA CATALINA AVE	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5711 SANTA CATALINA AVE	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5711 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5714 APIA DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5714 APIA DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5714 APIA DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5714 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5714 APIA DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5714 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5714 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5721 SANTA CATALINA	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5721 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5721 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5721 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5721 SANTA CATALINA AVE	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5721 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
5721 SANTA CATALINA AVE	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5721 SANTA CATALINA AVE	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5724 APIA DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5724 APIA DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5724 APIA DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5724 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5724 APIA DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5724 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5724 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5724 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5724 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5724 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5724 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5731 SANTA CATALINA	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5731 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5731 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
5731 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5731 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5731 SANTA CATALINA AVE	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5731 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5731 SANTA CATALINA AVE	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5731 SANTA CATALINA AVE	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5734 APIA DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5734 APIA DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5734 APIA DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5734 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5734 APIA DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5734 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5734 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5734 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5734 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5734 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
5734 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5734 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5741 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5741 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5741 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5741 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5741 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5741 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5741 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5741 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5741 SANTA CATALINA AVE	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5741 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5741 SANTA CATALINA AVE	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5741 SANTA CATALINA AVE	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5744 APIA DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5744 APIA DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
5744 APIA DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5744 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5744 APIA DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5744 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5744 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5751 SANTA CATALINA	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5751 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5751 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5751 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5751 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5751 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5751 SANTA CATALINA AVE	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5751 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5751 SANTA CATALINA AVE	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5751 SANTA CATALINA AVE	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5754 A PA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
5754 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5754 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5754 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5754 APIA DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5754 APIA DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5754 APIA DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5754 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5754 APIA DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5761 SANTA CATALINA AVE	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5761 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5761 SANTA CATALINA AVE	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5761 SANTA CATALINA AVE	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5761 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5761 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5761 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5761 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
5764 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5764 APIA DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5764 APIA DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5764 APIA DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5764 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5764 APIA DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5771 SANTA CATALINA AVE	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5771 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5771 SANTA CATALINA AVE	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5771 SANTA CATALINA AVE	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5771 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5771 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5771 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5771 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5771 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5771 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
5771 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5771 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5774 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5774 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5774 APIA DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5774 APIA DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5774 APIA DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5774 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5774 APIA DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5784 APIA DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5784 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5784 APIA DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5784 APIA DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5784 APIA DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5784 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5784 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
5784 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5784 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5784 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5784 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5784 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5791 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5791 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5791 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5791 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5791 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5791 SANTA CATALINA AVE	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5791 SANTA CATALINA AVE	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5791 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5791 SANTA CATALINA AVE	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5794 APIA DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5794 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
5794 APIA DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5794 APIA DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5794 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5794 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5794 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5794 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5801 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5801 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5801 SANTA CATALINA AVE	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5801 SANTA CATALINA AVE	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5801 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5801 SANTA CATALINA AVE	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5804 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5804 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5804 APIA DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5804 APIA DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
5804 APIA DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5804 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5804 APIA DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5811 SANTA CATALINA	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5811 SANTA CATALINA	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5811 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5811 SANTA CATALINA AVE	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5811 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5811 SANTA CATALINA AVE	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5811 SANTA CATALINA AVE	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5811 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5811 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5811 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5811 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5811 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5811 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
5814 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5814 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5814 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5814 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5814 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5814 APIA DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5814 APIA DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5814 APIA DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5814 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5814 APIA DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5821 SANTA CATALINA AISLE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5821 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5821 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5821 SANTA CATALINA AVE	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5821 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5821 SANTA CATALINA AVE	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
5821 SANTA CATALINA AVE	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5821 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5821 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5822 SANTA BARBARA	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5822 SANTA BARBARA	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5822 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5822 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5822 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5822 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5822 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5822 SANTA BARBARA AVE	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5822 SANTA BARBARA AVE	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5822 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5822 SANTA BARBARA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5824 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5824 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
5824 APIA DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5824 APIA DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5824 APIA DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5824 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5824 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5824 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5824 APIA OR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5831 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5831 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5831 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5831 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5831 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5831 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5831 SANTA CATALINA AVE	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5831 SANTA CATALINA AVE	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5831 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
5831 SANTA CATALINA AVE	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5831 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5831 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5831 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5834 APIA DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5834 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5834 APIA DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5834 APIA DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5834 APIA DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5834 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5834 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5834 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5834 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5834 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5841 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5841 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
5841 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5841 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5841 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5841 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5841 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5841 SANTA BARBARA AVE	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5841 SANTA BARBARA AVE	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5841 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5841 SANTA BARBARA AVE	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5841 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5841 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5841 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5841 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5841 SANTA CATALINA AVE	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5841 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5841 SANTA CATALINA AVE	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
5841 SANTA CATALINA AVE	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5841 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5841 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5841 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5841 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5841 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5842 SANTA BARBARA	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5842 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5842 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5842 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5842 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5842 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5842 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5842 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5842 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5842 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

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Address Researched	Address Not Identified in Research Source
5842 SANTA BARBARA AVE	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5842 SANTA BARBARA AVE	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5842 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5842 SANTA BARBARA AVE	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5842 SANTA BARBARA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5842 SANTA CATALINA	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5842 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5842 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5842 SANTA CATALINA AVE	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5842 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5842 SANTA CATALINA AVE	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5842 SANTA CATALINA AVE	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5842 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5844 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5844 APIA DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5844 APIA DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

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Address Researched	Address Not Identified in Research Source
5844 APIA DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5844 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5844 APIA DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5851 SANTA BARBARA AVE	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5851 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5851 SANTA BARBARA AVE	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5851 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5851 SANTA CATALINA	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5851 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5851 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5851 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5851 SANTA CATALINA AVE	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5851 SANTA CATALINA AVE	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5851 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5851 SANTA CATALINA AVE	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5852 SANTA BARBARA	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

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Address Researched	Address Not Identified in Research Source
5852 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5852 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5852 SANTA BARBARA AVE	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5852 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5852 SANTA BARBARA AVE	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5852 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5852 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5852 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5852 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5852 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5852 SANTA CATALINA AVE	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5852 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5852 SANTA CATALINA AVE	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5852 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5852 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5852 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
5854 APIA DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5854 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5854 APIA DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5854 APIA DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5854 APIA DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5854 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5854 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5861 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5861 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5861 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5861 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5861 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5861 SANTA BARBARA AVE	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5861 SANTA BARBARA AVE	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5861 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5861 SANTA BARBARA AVE	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

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5861 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5861 SANTA CATALINA	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5861 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5861 SANTA CATALINA AVE	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5861 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5861 SANTA CATALINA AVE	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5861 SANTA CATALINA AVE	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5861 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5861 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5861 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5861 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5861 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5861 SANTA CATALINA CIR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5862 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5862 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5862 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

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5862 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5862 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5862 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5862 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5862 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5862 SANTA CATALINA AVE	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5862 SANTA CATALINA AVE	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5862 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5862 SANTA CATALINA AVE	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5864 APIA DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5864 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5864 APIA DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5864 APIA DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5864 APIA DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5864 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5864 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

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Address Researched	Address Not Identified in Research Source
5864 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5864 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5864 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5871 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5871 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5871 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5871 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5871 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5871 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5871 SANTA BARBARA AVE	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5871 SANTA BARBARA AVE	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5871 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5871 SANTA BARBARA AVE	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5871 SANTA CATALINA AVE	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5871 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5871 SANTA CATALINA AVE	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

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Address Researched	Address Not Identified in Research Source
5871 SANTA CATALINA AVE	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5871 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5871 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5871 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5872 SANTA BARBARA	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5872 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5872 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5872 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5872 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5872 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5872 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5872 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5872 SANTA BARBARA AVE	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5872 SANTA BARBARA AVE	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5872 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5872 SANTA BARBARA AVE	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

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Address Researched	Address Not Identified in Research Source
5872 SANTA BARBARA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5872 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5872 SANTA CATALINA AVE	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5872 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5872 SANTA CATALINA AVE	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5872 SANTA CATALINA AVE	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5872 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5872 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5874 APIA DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5874 APIA DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5874 APIA DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5874 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5874 APIA DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5874 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5881 SANTA BARBARA	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5881 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
5881 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5881 SANTA BARBARA AVE	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5881 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5881 SANTA BARBARA AVE	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5881 SANTA BARBARA AVE	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5881 SANTA CATALINA	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5881 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5881 SANTA CATALINA AVE	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5881 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5881 SANTA CATALINA AVE	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5881 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5881 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5881 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5881 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5882 SANTA BARBARA	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5882 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

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5882 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5882 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5882 SANTA BARBARA AVE	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5882 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5882 SANTA BARBARA AVE	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5882 SANTA BARBARA AVE	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5882 SANTA CATALINA AVE	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5882 SANTA CATALINA AVE	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5882 SANTA CATALINA AVE	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5882 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5882 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5884 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5884 APIA DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5884 APIA DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5884 APIA DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5884 APIA DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

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5891 SANTA BARBARA AVE	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5891 SANTA BARBARA AVE	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5891 SANTA BARBARA AVE	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5891 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5891 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5891 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5891 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5891 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5891 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5891 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5891 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5891 SANTA CATALINA AVE	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5891 SANTA CATALINA AVE	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5891 SANTA CATALINA AVE	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5891 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5891 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

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Address Researched	Address Not Identified in Research Source
5892 SANTA BARBARA	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5892 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5892 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5892 SANTA BARBARA AVE	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5892 SANTA BARBARA AVE	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5892 SANTA BARBARA AVE	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5892 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5892 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5892 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5892 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5892 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5892 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5892 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5892 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5892 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5892 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
5892 SANTA CATALINA AVE	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5892 SANTA CATALINA AVE	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5892 SANTA CATALINA AVE	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5892 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5892 SANTA CATALINA CIR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5894 APIA DR	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5894 APIA DR	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5894 APIA DR	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5894 APIA DR	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5894 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5894 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5894 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5894 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5894 APIA DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5900 NONE ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5900 NONE ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
5907 NOUMEA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5907 NOUMEA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5907 NOUMEA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5907 NOUMEA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5907 NOUMEA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5907 NOUMEA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5907 NOUMEA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5907 NOUMEA ST	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5907 NOUMEA ST	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5907 NOUMEA ST	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5907 NOUMEA ST	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5911 SANTA BARBARA AVE	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5911 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5911 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5911 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5911 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
5911 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5911 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5911 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5911 SANTA CATALINA AVE	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5911 SANTA CATALINA AVE	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5911 SANTA CATALINA AVE	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5912 SANTA BARBARA	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5912 SANTA BARBARA	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5912 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5912 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5912 SANTA BARBARA AVE	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5912 SANTA BARBARA AVE	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5912 SANTA BARBARA AVE	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5912 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5912 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5912 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
5912 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5912 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5912 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5912 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5912 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5912 SANTA CATALINA	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5912 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5912 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5912 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5912 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5912 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5912 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5912 SANTA CATALINA AVE	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5912 SANTA CATALINA AVE	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5917 NOUMEA ST	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5917 NOUMEA ST	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
5917 NOUMEA ST	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5917 NOUMEA ST	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5917 NOUMEA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5917 NOUMEA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5917 NOUMEA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5917 NOUMEA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5917 NOUMEA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5917 NOUMEA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5917 NOUMEA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5921 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5921 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5921 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5921 SANTA BARBARA AVE	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5921 SANTA BARBARA AVE	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5921 SANTA BARBARA AVE	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5921 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
5921 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5921 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5921 SANTA CATALINA AVE	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5921 SANTA CATALINA AVE	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5921 SANTA CATALINA AVE	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5921 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5921 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5921 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5922 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5922 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5922 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5922 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5922 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5922 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5922 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5922 SANTA BARBARA AVE	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
5922 SANTA BARBARA AVE	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5922 SANTA BARBARA AVE	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5922 SANTA CATALINA AVE	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5922 SANTA CATALINA AVE	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5922 SANTA CATALINA AVE	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5922 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5922 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5922 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5922 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5922 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5922 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5922 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5922 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5922 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5927 NOUMEA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5927 NOUMEA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
5927 NOUMEA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5927 NOUMEA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5927 NOUMEA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5927 NOUMEA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5927 NOUMEA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5927 NOUMEA ST	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5927 NOUMEA ST	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5927 NOUMEA ST	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5927 NOUMEA ST	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5927 NOUNEOA	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5931 NONE ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5931 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5931 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5931 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5931 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5931 SANTA BARBARA AVE	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
5931 SANTA BARBARA AVE	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5931 SANTA BARBARA AVE	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5931 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5931 SANTA CATALINA	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5931 SANTA CATALINA	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5931 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5931 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5931 SANTA CATALINA AVE	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5931 SANTA CATALINA AVE	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5931 SANTA CATALINA AVE	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5931 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5931 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5931 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5931 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5931 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5931 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
5932 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5932 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5932 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5932 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5932 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5932 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5932 SANTA BARBARA AVE	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5932 SANTA BARBARA AVE	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5932 SANTA BARBARA AVE	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5932 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5932 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5932 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5932 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5932 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5932 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5932 SANTA CATALINA AVE	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
5932 SANTA CATALINA AVE	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5932 SANTA CATALINA AVE	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5932 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5932 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5932 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5932 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5932 SANTA CATALINA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5937 NOUMEA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5937 NOUMEA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5937 NOUMEA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5937 NOUMEA ST	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5937 NOUMEA ST	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5937 NOUMEA ST	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5937 NOUMEA ST	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5940 NONE ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5941 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
5941 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5941 SANTA BARBARA AVE	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5941 SANTA BARBARA AVE	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5941 SANTA BARBARA AVE	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5941 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5941 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5941 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5942 SANTA BARBARA	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5942 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5942 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5942 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5942 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5942 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5942 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5942 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5942 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
5942 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5942 SANTA BARBARA AVE	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5942 SANTA BARBARA AVE	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5942 SANTA BARBARA AVE	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5942 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5947 NOUMEA ST	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5947 NOUMEA ST	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5947 NOUMEA ST	2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5947 NOUMEA ST	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5947 NOUMEA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5947 NOUMEA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5947 NOUMEA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5947 NOUMEA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5947 NOUMEA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5947 NOUMEA ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5949 NONE ST	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
5962 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5962 SANTA BARBARA AVE	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
5962 SANTA BARBARA CT	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
6 SCHOOLER J 11625 JAVA	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
8 11592 RABAUL DR	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched	Address Not Identified in Research Source
5802 Santa Catalina	2017, 2002, 2001, 2000, 1997, 1991, 1980, 1971, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

APPENDIX F
AGENCY RECORDS

Orange County Fire Authority

Clerk of the Authority Office
P.O. Box 57115
Irvine, CA 92619-7115
Office: (714) 573-6040 • Fax: (714) 368-8826
E-Mail: coa@ocfa.org

PUBLIC RECORDS REQUEST FORM

Your request will be processed in compliance with the Public Records Act California Government Code § 6253.

Please complete form in its entirety. The more specific you are with the information you are requesting, including dates, address etc. the more responsive we may be to your request. Requestor will be notified in writing if additional time will be necessary. All document duplication fees are due and payable in full prior to release and are based on the Agency's current fee resolution. We will notify you of actual amount due and payment options once record(s) is identified.

In submitting your form, if you are using Internet Explorer as your web browser, you may email completed form by clicking
All other web browsers, please complete form, save as a PDF file and email to address noted above.

Date of Request: 12/12/2023

Requestor's Name: Alicia Jansen

Company Name: Stantec Consulting Services

Address: 735 E. Carnegie Drive, Suite 280

City: San Bernardino State: CA Zip Code: 92408

Phone w/Area Code: 909-654-8342 Fax w/Area Code: _____

Email Address: alicia.jansen@stantec.com

Delivery Preference: Pick-up ☑ Mail ☐ (must pay postage at US Rate) Fax ☐ (additional $0.10 per page)

Select Request Type: Incident Report ☑ Investigation Report ☑ Public Records ☑

Please provide the following detailed information relative to type of request:

Incident/Investigation Report Request:

Date of Incident: _____

Location of Incident: _____

Public Records Request:

Request Details: Any available records including notices of violation, inspection records, hazardous materia business plans/permits, UST, etc for 5802 Santa Catalina Ave, Garden Grove, CA 92845

To be completed by Clerk's staff:

Incident Number(s)/PRA: _____

Completed by: _____ Date Completed: _____

Page Count/Materials Provided: _____ Time to Complete: _____

Yana Garcia
Secretary for
Environmental Protection

Department of Toxic Substances Control

Meredith Williams, Ph.D.
Director
5796 Corporate Avenue
Cypress, California 90630

Gavin Newsom
Governor

December 14, 2023

Alicia Jansen
STANTEC
Alicia.Jansen@stantec.com

PR4-121223-02
5802 SANTA CATALINA AVE, GARDEN GROVE, CA

Dear Requestor:

We have received your Public Records Act Request from the Department of Toxic Substances Control (DTSC). After a thorough review of our files, no site records were found pertaining to the sites/facilities referenced above.

A large number of our records are available on EnviroStor, an online database that provides non-confidential, public access to DTSCs Data Management System. It tracks our cleanup, permitting, enforcement and investigation efforts at hazardous waste facilities and sites with known or suspected contamination issues. EnviroStor is available 24/7, 365 days a year. The data reflects the latest updates as they are entered in the system. Access it from your computer or smartphone, the local library – anywhere Internet access is available. Just go to www.envirostor.dtsc.ca.gov.

You'll find a step-by-step tour of EnviroStor under the "How to Use EnviroStor" menu on the website.

If you have any questions or would like further information regarding your request, please contact me at 714-4845337 or via email at CypressFileRoom@dtsc.ca.gov.

Sincerely,

Julie Chandler

Julie Chandler
Regional Records Coordinator
Administrative Services Branch

ORANGE COUNTY FIRE AUTHORITY

Prevention Field Services
1 Fire Authority Road
Irvine, CA 92602
Phone (714) 573-6254
Fax (714) 368-8836

RECORDS REQUEST INVOICE

FIRE ORANGE COUNTY PAID CALIFORNIA AUTHORITY

To: Alicia Jansen - Stantec

Number of Pages (including cover): 1

Date: 12/14/2023

COMMENTS: The information you requested for **5802 SANTA CATALINA AV** in the city of **GARDEN GROVE** is ready. Your fee for this request is $2.50.

***** PAY ONLINE! *** To ensure I receive a copy of the receipt, please use this link only (do not use previously saved payment links)**

If you prefer not to pay online, please send a check payable to ORANGE COUNTY FIRE AUTHORITY and a **SELF-ADDRESSED, STAMPED ENVELOPE** to: *Orange County Fire Authority, Atten: Iris Vicent/Prevention Field Services, 1 Fire Authority Rd, Irvine CA 92602* and the records will be mailed to you. If you prefer your records to be emailed to you, please send payment only and indicate the email address you would like the records sent to.

ORANGE COUNTY FIRE AUTHORITY

Report run on: December 14, 2023 7:01 AM

BUSINESS RECORDS AT: 5802 SANTA CATALINA
GARDEN GROVE

Bus Id: **123984** DBA: **GRACE BAPTIST CHURCH** Status: Active
5802 SANTA CATALINA AV Bldg# A Ste#
GARDEN GROVE
Last Insp Date: 10 NOV 2021 Bus Type: CHURCH, MOSQUE, SYNAGOGUE, TEMPLE, CHAPEL
Insp Type: ROUTINE INSPECTION Insp Category: CATEGORY 2, HIGH HAZARDS
Alarm Type:
Sprinkler Type: Sprinkler Due Date:

VIOLATIONS

Identify Date: 10 NOV 2021

House Keeping: Fire Protect: High Piled: Electrical:

Exiting: Permit Related: Hazmat Related: Misc: 1

Notice Issued Dt: 10 NOV 2021 Self Clr Issued Dt:

1st Reinsp clear: Y Date: 27 DEC 2021 2nd Reinsp clear: Date:
3rd Reinsp clear: Date: 4th Reinsp clear: Date:
5th Reinsp clear: Date:

PERMITS

Permit No	Permit description	Issued Date	Expiration Date	Occupancy Load
AP23	Assembly, >300 Occupants - Issuance	10 NOV 2021	10 NOV 2022	544
M150	Base Fee	10 NOV 2021		

CHEMICALS : NO CHEMICALS FOUND *****

***** END OF REPORT *****

ORANGE COUNTY FIRE AUTHORITY

Report run on: December 14, 2023 7:01 AM

BUSINESS RECORDS AT: 5802 SANTA CATALINA
GARDEN GROVE

Bus Id: **127094** DBA: **LOOK WHO'S LEARNING PRESCHOOL** Status: Active
5802 SANTA CATALINA AV Bldg# B Ste#
GARDEN GROVE
Last Insp Date: 05 APR 2023 Bus Type: CHURCH, MOSQUE, SYNAGOGUE, TEMPLE, CHAPEL
Insp Type: ROUTINE INSPECTION Insp Category: CATEGORY 2, HIGH HAZARDS
Alarm Type: 1.1 MANUAL SYSTEM - LOCAL ALARM
Sprinkler Type: Sprinkler Due Date:

VIOLATIONS

Identify Date: 05 APR 2023

House Keeping: Fire Protect: High Piled: Electrical:

Exiting: Permit Related: Hazmat Related: Misc:

Notice Issued Dt: Self Clr Issued Dt:

1st Reinsp clear: Date: 2nd Reinsp clear: Date:
3rd Reinsp clear: Date: 4th Reinsp clear: Date:
5th Reinsp clear: Date:

PERMITS

Permit No	Permit description	Issued Date	Expiration Date	Occupancy Load
AP21R	Assembly, <300 Occupants - Reissuance	05 APR 2023	04 APR 2024	173

CHEMICALS : NO CHEMICALS FOUND *****

***** END OF REPORT *****

ORANGE COUNTY FIRE AUTHORITY

Report run on: December 14, 2023 7:01 AM

BUSINESS RECORDS AT: 5802 SANTA CATALINA
GARDEN GROVE

Bus Id: **123988** DBA: **LOOK WHO'S LEARNING PRESCHOOL** Status: Active
5802 SANTA CATALINA AV Bldg# C Ste#
GARDEN GROVE
Last Insp Date: 05 APR 2023 Bus Type: PRESCHOOL

Insp Type: ROUTINE INSPECTION Insp Category: CATEGORY 2, HIGH HAZARDS

Alarm Type: 1.1 MANUAL SYSTEM - LOCAL ALARM

Sprinkler Type: Sprinkler Due Date:

VIOLATIONS

Identify Date: 05 APR 2023

House Keeping: 0 Fire Protect: 0 High Piled: 0 Electrical: 0

Exiting: 0 Permit Related: 0 Hazmat Related: 0 Misc: 0

Notice Issued Dt: Self Clr Issued Dt:

1st Reinsp clear: Date: 2nd Reinsp clear: Date:
3rd Reinsp clear: Date: 4th Reinsp clear: Date:
5th Reinsp clear: Date:

PERMITS

Permit No	Permit description	Issued Date	Expiration Date	Occupancy Load
M121	Care Facility for more than 6 ambulatory clients as defined	05 APR 2023	04 APR 2024	
M150	Base Fee	05 APR 2023		

CHEMICALS : NO CHEMICALS FOUND *****

***** END OF REPORT *****

FOCUSED PHASE III
SITE REMEDIATION

11867 Valley View Street
Garden Grove, CA

Submitted To:

County of Orange, Health Care Agency,
Public Health, Division of Environmental Health,
Hazardous Material Management Section
2009 East Edinger Avenue
Santa Ana, CA 92705-4720

Prepared For:

Domain Corporation
2716 Ocean Park Boulevard, Suite 3006
Santa Monica, CA 90405-5207

Prepared By:

Alaska Petroleum Environmental Engineering, Inc.
12802 Valley View Street, Suites 9 - 10
Post Office Box 5365
Garden Grove, CA 92846
December 1998

ALASKA PETROLEUM
ENVIRONMENTAL
ENGINEERING

December 22, 1998

Report № 1 of 5

County of Orange, Health Care Agency
Public Health, Division of Environmental Health
2009 East Edinger Avenue
Santa Ana, CA 92705-4720

Attn: Karen L. Hodel, R.G. - Program Manager
Hazardous Material Management Section

Re: Former Sparking Cleaners
11867 Valley View Street
Garden Grove, CA

Dear Ms. Hodel:

On behalf of the property owner (Domain Corporation), presented herewith is the Focused Phase III Site Remediation Report pertaining to the referent facility (hereafter referred to as the "Site"). The Domain Corporation requested that this report be forwarded in order that a case file can be opened, the report evaluated, and based upon the remedial work conducted receive a "No Further Action" letter.

Background

The Site is located within the Eastgate Plaza; it will be demolished later this month for the construction of a larger grocery store. This store will replace the existing Lucky store which is being closed on December 24th. The intent of the property owner is to use this report as a stand-alone document for environmental due diligence/disclosure purposes in the pending property redevelopment.

Remedial Efforts

As part of the remediation, approximately 65 cubic yards of perchloroethylene (PCE) impacted soil was excavated from within the former dry cleaner and stockpiled pending proper management options. The average residual PCE concentration in the remedial excavation is less than 25 parts per billion (ppb).

Approximately 2,000 gallons of shallow, perched groundwater was removed and recycled from the remedial excavation on two different days. To date, three groundwater samples have been collected. The PCE concentration

Alaska Office
907·479-9555
P.O. Box 81904
Fairbanks, Alaska 99708

California Office
714·897-2733
FAX 714·897-0031
P.O. Box 5365
Garden Grove, CA 92846

decreased from 540 to 350 to 36.5 milligrams per liter (over a 93% reduction).

A total of 18 soil samples were collected from the stockpiled soil; overall, the residual PCE concentration is less that 50 ppb. It is proposed that the soil be used as on-Site backfill material.

Evaluation

No further remedial work is being proposed based upon the very low, residual in-place PCE concentrations. These concentrations were compared to the amount of PCE allowed to remain in-place at the dry cleaning facility located directly across the street; this facility is also managed by members of the Kelton family (as is the Domain Corporation). Regulatory closure at this facility was received from the California Regional Water Quality Control Board in August 1998 (OCHCA Case # 96IC46 with closure in March 1998). PCE concentrations at the Site (i.e., less than 40 ppb in the soil and groundwater) are lower than that left in-place across the street (i.e., approximately 260 mg/l).

Closing Remarks

The Domain Corporation has a contractual commitment with the City of Garden Grove and The Vons Company to start construction of the new store prior to March 1st. As such, whatever assistance you can afford to expedite this report evaluation would be greatly appreciated by all parties involved with this important redevelopment project.

I will contact you after the New Years holiday to discuss the report. In the interim, if you have any questions or require additional information, please do not hesitate to contact me at extension 207.

Cordially,

R. Glenn Stillman
Principal Engineer
RGS/gje
attachment

c: Mark Kelton c/o Domain Corporation
Dave Zylastria, Vice President Real Estate - The Vons Company
Kim Huy - Garden Grove Agency for Community Development
Wm. Dennis Merklin - California Regional Water Quality Control Board – Santa Ana Region

EXECUTIVE SUMMARY

Presented herewith are the findings from the *Alaska Petroleum Environmental Engineering, Inc.* Focused Phase III Site Remediation. The work was conducted at 11867 Valley View Street, Garden Grove, Orange County, California (hereafter referred to as the "Site"). The Site is the former location of the Sparkling Cleaners.

The purpose of the work was to remediate soil that had been impacted from a release of perchloroethylene (PCE, a chlorinated hydrocarbon commonly used in dry cleaning operations). Based upon the results from a previous environmental Site assessment, the remediation was performed by excavating the "source" of the PCE contamination.

No further remedial work is being specified. The areal extent of the PCE release encompassed less than 200 square feet and was well delineated in the previous Site assessment and during the current remedial sampling events. The impacted soil was removed (i.e., by "source" removal). All but one soil sample collected from the excavation was near to or well below the allowable disposal/reuse concentration of 50 parts per billion (ppb) of PCE [California Regional Water Quality Control Board - Santa Ana Region (Water Board), "Criteria for Disposal/Reuse of Soils", April 1996]. The average residual PCE concentration in soil is about 20 ppb.

No remedial action is being specified for management of the stockpiled soil. A total of 18 stockpile samples were collected from approximately 65 cubic yards of excavated soil. The highest contaminant concentration detected in the final sampling event was 12 ppb PCE. Less than 1/3 cubic yard out of approximately 65 cubic yards excavated contained elevated PCE concentrations and the final analytical result obtained from this volume was at the analytical method detection limit of five ppb. It is proposed that this soil be reused on-Site as backfill material per the aforementioned Water Board guidance document.

Three water samples were collected from the remedial excavation, one after each of the two soil removal events and prior to a contractor inspection when water infiltrated into the hole. The contaminant concentration decreased from 540 to 350 to 36.5 ~~milligrams~~ micro per liter (~~mg~~ µg/l) of PCE (over a 93% reduction); approximately 2,000 gallons of water was removed from the remedial excavation and recycled. No groundwater remedial work is suggested at this time based upon:

(1) the small areal extent of the impacted area as determined from the previous Site investigation and current remedial sampling events,

o/w contacting for referral to Regional Board

(2) the reduction in the water contaminant concentration, and

(3) the allowed in-place PCE contaminant levels in groundwater at the former dry cleaner across the street (approximately 260 mg/l of PCE).

Table Of Contents

Section Page

1.0 Introduction 1

2.0 Background 1

3.0 Scope of Work 3

4.0 Technical Approach 4
- 4.1 *Remedial Activities* 4
- 4.2 *Air Monitoring* 6
- 4.3 *Soil and Perched Groundwater Sampling* 7
  - 4.3.1 *Soil Sampling Frequency* 7
  - 4.3.2 *Sample Collection and Analysis* 7
  - 4.3.3 *Sample Identification* 7

5.0 Findings 8
- 5.1 *Remedial Activities* 8
  - 5.1.1 *Air Monitoring* 8
  - 5.1.2 *Soil and Perched Groundwater Sampling* 9

6.0 Technical Analysis and Conclusions 11
- 6.1 *Proposed PCE Remedial Action Limit* 11
  - 6.1.1 *Soil* 11
  - 6.1.2 *Perched Groundwater* 12
- 6.2 *Remedial Activities* 12
  - 6.2.1 *Air Monitoring* 12
  - 6.2.2 *Excavation* 12
  - 6.2.3 *Soil Stockpile* 13
  - 6.2.4 *Perched Groundwater* 13

Table Of Contents

Section | Page

7.0 Professional Limitations 14

Figures

Figure 1 *Site Location*
Figure 2 *Sample Locations*

Appendices

Appendix A *Phase II Site Investigation Results*
Appendix B *CPT Log*
Appendix C *Tailgate Safety Meeting Documentation*
Appendix D *Groundwater Manifest*
Appendix E *09/17/98 Analytical Reports*
Appendix F *09/29/98 Water Sample Analytical Report*
Appendix G *10/23/98 Analytical Reports*
Appendix H *11/12/98 Stockpile Sampling Analytical Report*
Appendix I *12/03/98 Groundwater Manifest and Analytical Report*
Appendix J *Water Board Soil Disposal/Reuse Guidance Document*
Appendix K *Eastgate Center Former Dry Cleaner Site Closure Information*

1.0 Introduction

Presented herewith are the findings from the *Alaska Petroleum Environmental Engineering, Inc.* (*Alaska Petroleum*) Focused Phase III Site Remediation. The work was conducted at 11867 Valley View Street, Garden Grove, Orange County, California (hereafter referred to as the "Site"; ***Figure 1, Site Location***). The Site is the former location of the Sparkling Cleaners.

The purpose of the work was to remediate soil that had been impacted from a release of perchloroethylene ("PCE", a chlorinated hydrocarbon commonly used in dry cleaning operations). The intent was to remediate the PCE impacted soil to a concentration that would be "acceptable" to such entities as: applicable regulatory agencies, the property owner, potential tenants or Site purchasers, financial institutions, etc. Based upon the results from a previous environmental Site assessment, the remediation was performed by excavating the "source" of the PCE contamination.

2.0 Background

Pertinent documentation pertaining to previously conducted Site work is contained in ***Appendix A, Phase II Site Investigation Results***. The following is a synopsis of this work.

<u>December 1996</u>

As part of the initial preplanning work for the proposed redevelopment of the Site, the Domain Corporation (the property owner, hereafter referred to as "DOMAIN") retained a consultant to conduct a Phase I Environmental Site Assessment and a limited Phase II Site Investigation (Phase II). The Phase II included collecting two subsurface soil samples from the interior of the Site building and analyzing them for PCE. One sample was collected near the dry cleaning plant and the other near two -- 55 gallon salvage drums of spent dry cleaning fluid.

The soil samples were analyzed by the United States Environmental Protection Agency (USEPA) Method 8010 for halogeneated hydrocarbons (i.e., chlorinated solvents including PCE). The sample collected adjacent to the dry cleaning plant contained 170 parts per billion (ppb) of PCE and 3,500 ppb of cis-1,2-dichloroethylene (cis-1,2-DCE; a probable "daughter" or degradation product of PCE). The second

soil sample contained Method 8010 constituents at concentrations that were only slightly above the detection limit for the analytical test method.

May 1997

DOMAIN retained *Alaska Petroleum* to confirm the existence of the previously encountered PCE contamination, and to determine its areal and vertical extent. In order to accomplish these tasks, the following work was conducted:

1. The subsurface soil conditions (i.e., geology) and groundwater depth was determined by a Geotechnical Engineer retained by DOMAIN.

2. Limited research was conducted to determine the direction of groundwater flow.

3. Seven borings were advanced with a Geoprobe® direct-push sampling rig.

4. Soil samples were collected and analyzed by Method 8010 in an on-Site, State certified mobile laboratory.

The depth to first groundwater was estimated by evaluating cone penetrometer test (CPT) results (***Appendix B, CPT Log***). The closest CPT boring to the Site ("C-3") was located outside the front entry door and was advanced to a depth of approximately 50 feet below ground surface (BGS). The Geotechnical Engineer estimated the groundwater depth from the CPT logs to be 20 feet BGS. Subsequent bucket auger borings confirmed the water to be shallower, at a depth of about 10 feet BGS. The soils to 20 feet BGS consist primarily of clayey silts.

The direction of flow was determined from review of environmental reports pertaining to properties in the immediate area. The direction of flow was determined to be to the southwest [Chevron Service Station at the northwest corner of Chapman Avenue and Valley View Street, Garden Grove, CA].

The diagram depicting the soil sampling locations is also contained in ***Appendix A***. Boring location "BK-1" was placed next to the above-mentioned 55 gallon drums. Boring locations "BK-2" and "BK-5" were situated in areas of surficial staining which corresponded to the direction of surficial sheet flow (i.e., the flow direction of a potential spill from the general area of the dry cleaning plant). "BK-3" was located near to, and "BK-4" was located hydraulically downgradient from, the dry cleaning plant. "BK-6" and "BK-7" were advanced in the front parking lot.

Sample analysis was requested at each boring location based upon: (1) the analytical results obtained from the shallowest sampled depth and/or, (2) by the sample proximity to the area and depth(s) of previously identified contamination. For example, soil samples were collected at multiple depth intervals in a boring, however the deeper samples were archived pending receipt of the analytical results obtained from the shallower sample depths. If the results obtained from the shallow samples were evaluated to be "clean", the lower samples were not chemically characterized. The analytical results are provided in ***Appendix A***.

The highest concentrations of Method 8010 constituents were encountered in boring "BK-3" which was located immediately adjacent to the dry cleaning plant (17,000 ppb at two feet BGS). Within this same boring location at 10 feet BGS, the PCE concentration was below the analytical test method's detection limit. The soil samples collected from the front parking lot area were not analyzed ("BK6" and "BK7") as it was deemed not necessary: (1) after review of the analytical results obtained from the interior, down-gradient soil samples, and (2) due to their relatively large distance from the dry cleaning plant.

3.0 Scope of Work

The remediation entailed:

1. Removing the concrete floor slab in the proposed remedial area.

2. Excavating the PCE impacted soil, stockpiling the soil outside the north side of the building, covering the stockpile with six mil thick polyethylene sheeting and securing it, and enclosing the stockpile and building entrance with a temporary construction fence.

3. Performing chemical analysis by Method 8010 on soil samples collected from the remedial excavation walls and the stockpiled soil.

4. Documenting the Site activities and presenting the findings in this report.

4.0 Technical Approach

4.1 *Remedial Activities*

The remedial activities were conducted on August 7, September 17, September 29, October 23, November 12, and December 3, 1998. A tailgate safety meeting was held prior to conducting the work in order to apprise all Site workers of any potential worker health and safety issues; a copy of this form is contained in ***Appendix C, TailGate Safety Meeting Documentation.***

In order to maintain building security, DOMAIN requested that "limited access" equipment be used to conduct the remedial excavation. A Bobcat 743 equipped with concrete breaker and backhoe attachments was used to start the remedial excavation. The equipment vendor stated that the Bobcat could pass through the existing double boiler room doors; this was based on the doors measured width compared to the equipment width as published in the manufacturer's technical specification manual. However, to gain entry the Bobcat attachments were removed, pushed into the building, and then reattached after entry for use.

The concrete slab was removed on August 7th prior to commencing with the excavation. The excavation was terminated at approximately 2.5 feet BGS as a subsurface, energized ("live") electrical conduit was encountered at the northeast corner of the boiler room. This electrical line was not identified through the utility notification clearances (Dig Alert).

Prior to continuing with the work, DOMAIN had a licensed electrician de-energize the electrical cable. In addition, a section of the northern exterior wall (the former boiler room) of the Site building was removed to allow ingress/egress of a larger rubber-tired backhoe.

The excavation was continued on September 17th with a Caterpillar 416 rubber-tired backhoe. After the excavation was completed, soil samples were collected for "closure" purposes. A total of 22 soil samples were collected; 18 of which were from the sidewalls and floor of the excavation. The remaining four soil samples were collected along the north/south axis of the soil stockpile at approximately its mid-point depth.

The excavated soil was stockpiled outside the building on the asphalt parking lot. After sampling, it was covered with six mil thick polyethylene sheeting (visqueen).

One continuous sheet of visqueen was placed over the stockpile and was secured with bricks; this was done to minimize the potential volatilization of any PCE.

Additional excavation was authorized by DOMAIN as residual contamination was detected by chemical analysis within some grid blocks of the excavation. In the interim time period between the first "closure" soil sampling conducted on September 17th and the continued remedial excavation on September 29th, the hole partially filled with water. The infiltration of water was presumed to be from a shallow perched groundwater zone; this assumption was based upon the saturated appearance of the excavation sidewalls just above the standing water and limited rainfall.

An attempt was made to remove the water by pumping it into 55 gallon salvage drums. A sump hole was dug at the base of the excavation with the backhoe; at this point, the volume of water was estimated at between 300 and 400 gallons. Therefore, it was determined not economically viable to dispose/recycle the water in this fashion.

A water sample was collected from within the excavation to determine proper management options. The water was profiled for disposal/recycling at DeMenno Kerdoon in Compton, CA. They accepted the water as a non-hazardous waste. On October 23rd, approximately 400 gallons of water was removed with a vacuum truck and transported by Nieto & Sons to this facility. A copy of the manifest is contained in ***Appendix D, Groundwater Manifest.***

After the water was removed, portions of the remedial hole were excavated on October 23rd to remove the residual contamination. Six grid blocks were further excavated and then re-sampled. During the excavation, a four inch diameter, three foot long capped, cast iron pipe was encountered on the eastern wall at approximately three feet BGS. Noticeable, short duration PCE odors were detected. A sample of sludge was collected from inside the pipe and analyzed. The pipe and about one foot of underlying soil was excavated and placed at the northern end of the exterior stockpile; the estimated volume of soil was less than 1/3 cubic yard.

The stockpiled soil was also temporarily relocated on October 23rd in order that the exterior, pad-mounted, main electrical service panel could be accessed for service. The stockpile was replaced after the electrical work was completed. Additional soil samples were collected from the stockpile since: (1) more soil had been removed from the remedial excavation and placed on the stockpile, and (2) the stockpile had

been moved. The stockpile was re-measured to estimate the volume; the stockpile contained approximately 65 cubic yards of soil.

In addition, after the re-excavation activities were completed on October 23rd, water was noted infiltrating into the remedial excavation. Another water sample was collected for analysis.

Based upon the analytical results obtained from the October 23rd "closure" sampling event, no further excavation was deemed necessary. On November 12th, five additional soil samples were collected to further characterize the stockpile to determine proper management options. Four of the samples were collected from the west and east sides of the stockpile and the fifth was taken from the soil generated during removal of the above-mentioned cast iron pipe; as stated above, the original soil samples were collected along the centerline of the stockpile.

4.2 *Air Monitoring*

Field screening for volatile organic compounds (VOCs; PCE, etc.) was conducted with a Photovac MicroTip® HL-200 (a photoionization detector [PID]) and by olfactory observation. Olfactory indications of PCE are typically noted by a sweet organic/chlorine-like odor when it is present at elevated concentrations.

PID calibration was performed prior to field monitoring according to the manufacturer's instructions. The PID was calibrated using factory supplied gases containing known concentrations; "zero gas" and 50 parts per million (ppm) hexane The instrument was calibrated to achieve a level of accuracy in hydrocarbon concentrations up to 10,000 ppm; the level of accuracy decreases with concentrations in excess of this amount. The maximum reading that would be recorded was 2,000 ppm; a reading in excess of 2,000 ppm would be recorded as 2,000+ due to the decrease in accuracy. The date, time and gas standards used to calibrate the meter were noted on the instrument log.

VOC monitoring was conducted in the excavation, at the stockpile and in the worker air space. Ambient air was monitored for VOCs as the remediation was being conducted within the structure; VOCs could be generated from evaporation of PCE and its degradation products and from the backhoe exhaust (diesel fumes). Soil samples were collected and placed in Ziploc® bags and allowed to equilibrate to room temperature prior to VOC measurement. The stockpile was monitored by placing the probe at approximately two to three inches from the surface [pursuant to the South Coast Air Quality Management District, Rule 1166].

The PID is moisture sensitive as water will coat the detector lamp leading to elevated, false readings. This will occur when the sample container is exposed too long to the ambient temperature as moisture forms within the sample bag [per manufacturer's manual]. In addition, aspirating liquid or condensate in a PID will also result in erroneous readings and/or may damage the lamp and the air pump within the unit. Therefore, care was taken not to obtain erroneous readings from the accumulation of moisture.

4.3 *Soil and Perched Groundwater Sampling*

4.3.1 *Soil Sampling Frequency*

Excavation: One per every 50 square feet or less of exposed surface area

Stockpile: One per every 15 cubic yards of excavated soil

Water: One per volume of standing water

4.3.2 *Sample Collection and Analysis*

Soil samples were collected in laboratory supplied, clean, four ounce glass bottles with Teflon®-lined caps. Exposed surfaces of the excavation and stockpile were sampled by pushing the glass bottle into the surface and completely filling the bottle, withdrawing it and immediately screwing on the cap. This was followed by delivery to the on-Site mobil laboratory.

As specified by the USEPA sampling protocols for the selected analytical test method (i.e., as detailed in SW-846), groundwater samples were collected in clean, laboratory supplied, 40 milliliter VOA vials. No chemical pretreatment or preservation was required as the samples were analyzed immediately.

All proper chain-of-custody and sample handling protocols were followed. Matrix Analytical Services, Inc. provided the on-Site mobil laboratory services. Samples were analyzed by Method 8010 or 601 (soil and water, respectively) according to applicable quality control/quality assurance protocols.

4.3.3 *Sample Identification*

The grid block identification established within the excavation is depicted on ***Figure 2, Sample Locations***. The following nomenclature was used for sample identification.

Within the excavation, each sample was identified by grid block, depth, and location. For example:

- "A2-2R" is a sample from grid block "A2" collected at a depth of two feet BGS from the ingress ramp ("R")
- "C1/C2-5SW" is a sample from the interface of the "C1" and "C2" grid blocks collected at five feet BGS from the south wall ("SW") of the excavation
- B/C1(2)-5EW→B/C1(3)-5EW→B/C1(4)-5EW is the series of samples collected after the grid block was re-excavated to remove residual contamination (i.e., the interface of B1/C1 grid block, [second, third, fourth sample collected, etc.] at five feet BGS on the east wall ["EW"] of the excavation)

Within the stockpile, each sample was identified by its distance as measured from the south end of the stockpile and depth from the top of the stockpile. For example:

- "SP12-4" is the sample collected 12 feet from the south end of the stockpile at a depth of four feet
- SP12(2)-4→SP12(3)-4→SP12-6 is the series of samples collected at the same distance from the south end of the stockpile and depth (i.e., the second, third sample, etc.), or at the same distance and a different depth (e.g., -6 feet BGS)

Within the excavation, the groundwater was sampled three times and each sample was denoted by the date collected. For example:

- Groundwater (GW) 9/29/98

5.0 Findings

5.1 *Remedial Activities*

5.1.1 *Air Monitoring*

No VOCs were detected emanating from the excavation or the stockpiled soil. Further, no olfactory indications of PCE were noted except for the short time when the four inch diameter, cast iron pipe was encountered; the odor dissipated prior to

obtaining PID measurements. The only VOCs measured were from the backhoe's diesel exhaust; this determination was made by measuring the VOC content of soil samples that had been placed in Ziploc® bags prior to measuring the ambient air for VOCs. Therefore, the soil was eliminated as being a source of the VOCs as none were measured in the Ziploc® bags.

5.1.2 *Soil and Perched Groundwater Sampling*

September 17, 1998

Of the 18 soil samples collected from the remedial excavation, the analytical results obtained from 12 of them were at or below the analytical method detection limit of five ppb (one sample contained six ppb of cis-1,2-DCE). The remaining six samples contained PCE or its potential degradation products in concentrations up to 2.7 ppm (sample C3-7WW [west wall at seven feet BGS] with 2.7 ppm of trichloroethylene).

From the stockpile, two soil samples had near to or non-detectable concentrations of the Method 8010 constituents; the maximum concentration was six ppb of PCE. The other two samples had a maximum concentration of 120 ppb of cis-1,2-DCE). Copies of the laboratory reports are contained in ***Appendix E, 09/17/98 Analytical Reports***.

September 29, 1998

The concentration of PCE in the water sample collected from within the remedial excavation was 540 milligrams per liter (mg/l), in addition to lesser concentrations of its potential degradation products. A copy of this laboratory report is contained in ***Appendix F, 09/29/98 Water Sample Analytical Report***.

October 23, 1998

After excavation and re-sampling of the six grid blocks wherein residual concentrations of PCE were detected on September 17th, the final "closure" analytical results were:

Final Excavation Grid Block Sample Identification	Method 8010 Result (ppb)
B/C1(4)-5EW	37
C3(2)-7WW	Non-Detect
B1(2)-2EW	79
C1(2)-2EW	62
6.5F B1(4)-8F	170 (water saturated soil)
A1(2)-3.5R	6

The concentration of PCE in the sludge sample collected from within the cast iron pipe was 4,700 ppb; the pipe was encountered at approximately three feet BGS on the eastern wall. Another soil sample was collected after the pipe and about one foot of soil was removed from underneath it; the underlying soil was analyzed to contain 57 ppb of PCE.

The analytical results obtained from the stockpile, after it was relocated to access the electrical panel and additional five cubic yards of soil was added from the re-excavation of the six grid blocks, were:

Stockpile Sample Identification	Method 8010 Results (PCE in ppb)
SP4(2)-4	22
SP4-6	15
SP12(2)-4	320
SP12(3)-4	12
SP12-6	6
SP20(2)-4	120
SP20-6	10
SP28(2)-4 and SP28-6	3,200 and 4,700 (contains the soil removed from the cast iron pipe; volume at 1/3 cubic yard)

The concentration of PCE in the groundwater sample that was collected after the "closure" sampling was conducted and groundwater infiltrated the excavation was 350 mg/l with lesser concentrations of potential degradation products. Copies of the analytical reports pertaining to all the sampling conducted on this date are presented in ***Appendix G, 10/23/98 Analytical Reports.***

November 12, 1998

Five additional stockpile samples were collected to further characterize the stockpile for proper management options; the highest concentration detected was 12 ppb PCE. This also included another sample collected from the soil associated with the cast iron pipe removal; this sample (SP28-6) contained only five ppb. A copy of the analytical report is contained in ***Appendix H, 11/12/98 Stockpile Sampling Analytical Report***.

December 3, 1998

At the request of DOMAIN on the morning of December 3rd, the water in the excavation was removed and recycled prior to a Site walk for proposed grading contractors in order that they could visually inspect the subsurface soils. The water was removed via vacuum truck by Nieto & Sons and recycled at Demenno/Kerdoon; approximately 1,500 gallons of water was recycled. Another infiltrating water sample was collected about eight hours after the water was removed from the hole.

The water sample was analyzed by American Scientific Laboratories, LLC, a State certified facility. The analytical result was 36.5 mg/l; a copy of this manifest and analytical report is contained in ***Appendix I, 10/03/98 Groundwater Manifest and Analytical Report.***

6.0 Technical Analysis and Conclusions

6.1 *Proposed PCE Remedial Action Limit*

6.1.1 *Soil*

The intent, if possible, was to remove by excavation all the PCE impacted soil that was above allowable/applicable regulatory action limits. In April 1996, the California Regional Water Quality Control Board - Santa Ana Region (Water Board) issued a guidance document entitled "Criteria for Disposal/Reuse of Soils". The criteria is used for soils that may be disposed or reused anywhere in their regional jurisdiction if the concentrations of individual constituents do not exceed the listed discharge specifications (i.e., the soil is deemed "clean" for any type of use). Based upon their criteria, up to 50 ppb of PCE impacted soil can be disposed/reused without conducting any type remediation, however, they also state that higher concentrations may be acceptable as evaluated on a case-by-case basis. This guidance document was considered as a "worst-case" scenario in determining remedial goals.

A copy of this guidance document is contained in ***Appendix J, Water Board Soil Disposal/Reuse Guidance Document.***

6.1.2 *Perched Groundwater*

On August 14, 1998, regulatory "closure" was obtained from the California Regional Water Quality Control Board - Santa Ana Region at another former dry cleaner property located immediately to the east from the Site across Valley View Street (11908 - 11960 Valley View Street; OCHCA Case # 96IC46 with closure granted March 23, 1998). Members of the Kelton family manage this property as well as DOMAIN. The responsible party (the Sasaki Family Partnership) was granted closure with residual water contamination of approximately 260 mg/l of PCE (i.e., the average of the last four sampling events from the three sample locations closest to the former dry cleaner). Documentation regarding this facility closure is contained in ***Appendix K, Eastgate Center Former Dry Cleaner Site Closure Information.***

6.2 *Remedial Activities*

6.2.1 *Air Monitoring*

No remedial work is being specified. No VOCs were detected emanating from the excavation or the stockpiled soil. Further, no olfactory indications of PCE were noted except for the short time when the four inch diameter, cast iron pipe was encountered; the odor dissipated prior to obtaining PID measurements.

6.2.2 *Excavation*

The sidewalls and floor of the excavation were tested at a frequency of slightly more than one sample per every 50 square feet of open hole. The in-place contaminant concentrations in the grid blocks range from non-detect (less than five ppb) to 170 ppb of PCE; the average residual concentration is about 20 ppb.

No further remedial work is being specified. The areal extent of the PCE release encompassed less than 200 square feet and was well delineated in the previous Site assessment and during the current remedial sampling events. The impacted soil was removed (i.e., "source" removal). All but one soil sample was near to or well below the allowable disposal/reuse concentration of 50 ppb of PCE as specified in the Water Board soil disposal/reuse guidance document.

6.2.3 *Soil Stockpile*

The contaminant concentration in the stockpile is less than that specified in the Water Board remedial guidance document. There is one exception, the less than 1/3 cubic yard of soil that was associated with the cast iron pipe removal and placed at the northern end of the stockpile. This small volume of soil was sampled and analyzed three times; the average PCE concentration from the first two samples was 3,975 ppb of PCE (sampled on October 23rd) and the third sample only had five ppb (sampled November 12th). The difference in the analytical results can be potentially attributed to:

(1) the amount of soil contained in this portion of the stockpile that contains elevated concentrations of PCE is small relative to the volume sampled (i.e., eight ounces of soil from about 1/3 cubic yard), and to

(2) the potential volatilization of PCE even though the entire stockpile was covered with a single sheet of visqueen that was secured with building bricks (VOC monitoring was less than the PID detection limit [one ppm]).

No remedial action is being specified. A total of 18 soil stockpile samples were collected from approximately 65 cubic yards of excavated soil. The highest contaminant concentration detected in the final sampling event was 12 ppb of PCE. Less than 1/3 cubic yard out of 65 cubic yards contained elevated PCE concentrations and the final result obtained from this volume was at the analytical method detection limit of five ppb.

6.2.4 *Perched Groundwater*

Three water samples were collected from the remedial excavation, one after each of the soil removal events and prior to a contractor Site walk after water infiltrated into the hole. Approximately 2,000 gallons of water were removed from the remedial excavation and recycled. The contaminant concentration decreased from 540 to 36.5 mg/l of PCE (over a 93% reduction). The groundwater contaminant reduction can be attributed to the removal of additional PCE impacted soil. This would indicate that the perched groundwater zone is only very marginally impacted, and that the resulting reduction in the residual contamination is attributed to the "flushing action" through the soil as the water enters the excavation.

The water in the remedial excavation will have to be removed and recycled prior to backfilling the hole with soil. Prior to backfill, one additional infiltrating water

sample can be collected for chemical analysis. The stockpiled soil is proposed to be used as backfill material.

No groundwater remedial work is suggested at this time based upon:

(1) the small areal extent of the impacted area as determined from the previous Site investigation and current remedial sampling events,

(2) the very large reduction in the water contaminant concentration (540 to 36.5 mg/l), and

(3) the allowed in-place PCE contaminant levels located at the former dry cleaner across the street.

7.0 Professional Limitations

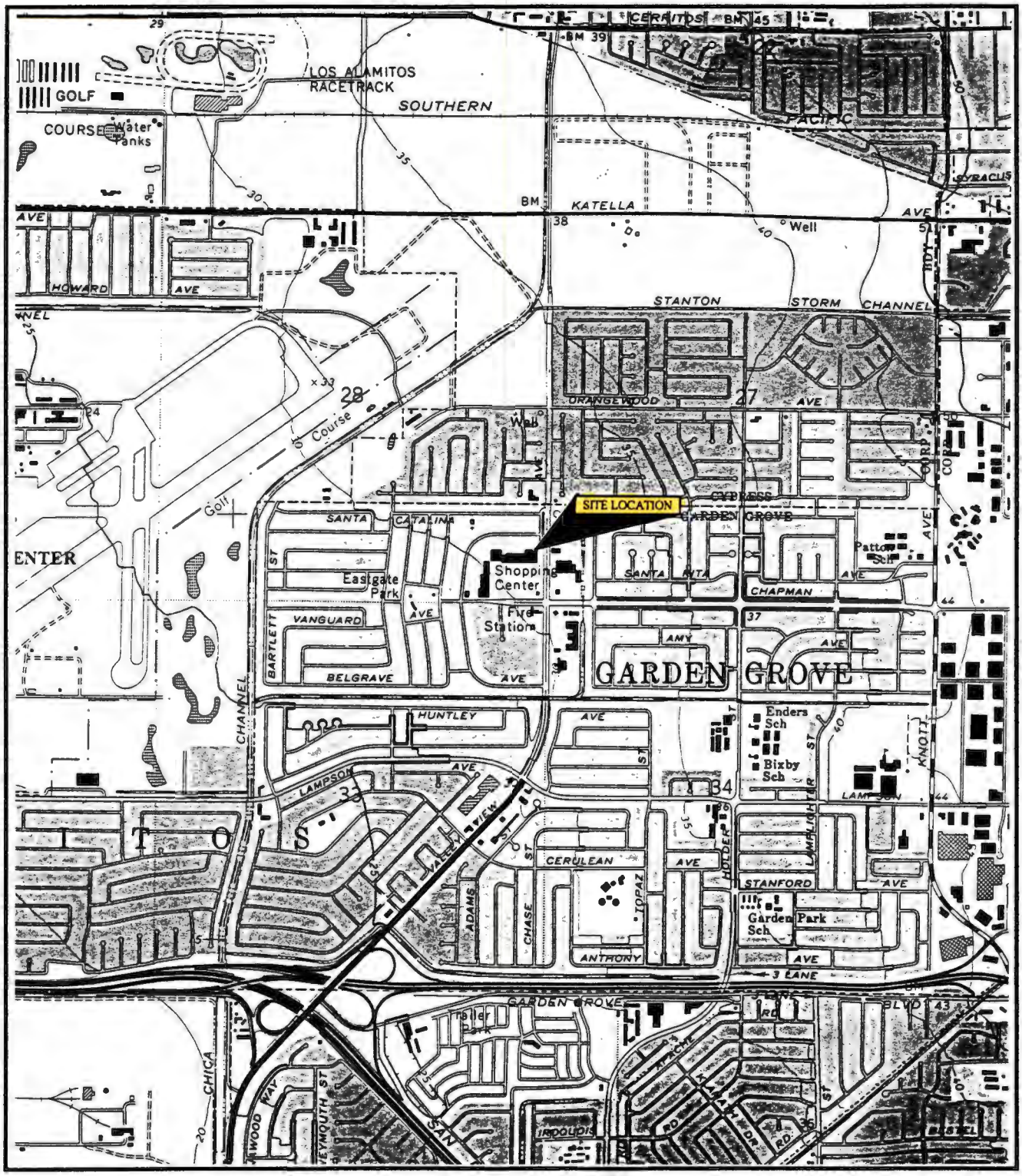
This report has been prepared for the exclusive use of the Domain Corporation. They can convey this report to a lender, title insurer, prospective property tenant or purchaser, but further dissemination to other parties is forbidden except for the specific purpose and to the specific parties alluded to above, without the prior written consent of *Alaska Petroleum*.

In preparing this report, *Alaska Petroleum* has relied on information obtained from secondary sources (e.g., regulatory agency records, environmental reports, etc.), personal interviews, Site walk observations, and from the focused remediation sampling and analyses. All findings and evaluations stated in this report are based upon facts and circumstances as they existed at the same time that this report was prepared. Further, since *Alaska Petroleum* performed focused remedial activities in targeted areas, the absence of detected contamination cannot be treated as conclusive evidence of the lack of contamination at areas beyond those sampled or on other portions of the property.

While *Alaska Petroleum* has used reasonable care to avoid reliance upon inaccurate data or information, we were unable to verify the accuracy or completeness of all data and information made available to us during our assessment of, and document review and research pertaining to, the Site. Our conclusions presented herein are based on the information available to us during our assessment, and some of the conclusions could be different if the information upon which they are based is determined to be false, inaccurate or incomplete.

Our professional services have been performed using that degree of care and skill, ordinarily exercised under similar circumstances, by environmental consultants conducting similar studies in these or similar locations. No other warranty, expressed or implied, is made as to the professional analyses/technical evaluation enclosed in this report. Further, *Alaska Petroleum* makes no legal representations whatsoever concerning any matter, including, but not limited to, ownership of any property or the interpretation of any law.

Figures



N

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY, LOS ALAMITOS QUADRANGLE, 7.5 MINUTE SERIES (TOPOGRAPH), GARDEN GROVE, CALIFORNIA 1964 (PHOTO REVISED 1981)

Approximate Scale 1" = 2000'

ALASKA PETROLEUM ENVIRONMENTAL ENGINEERING

P.O. Box14766
Long Beach, CA 90803
(310)433-5144

P.O. Box 81904
Fairbanks, AK. 99708
(907)479-9555

TITLE:

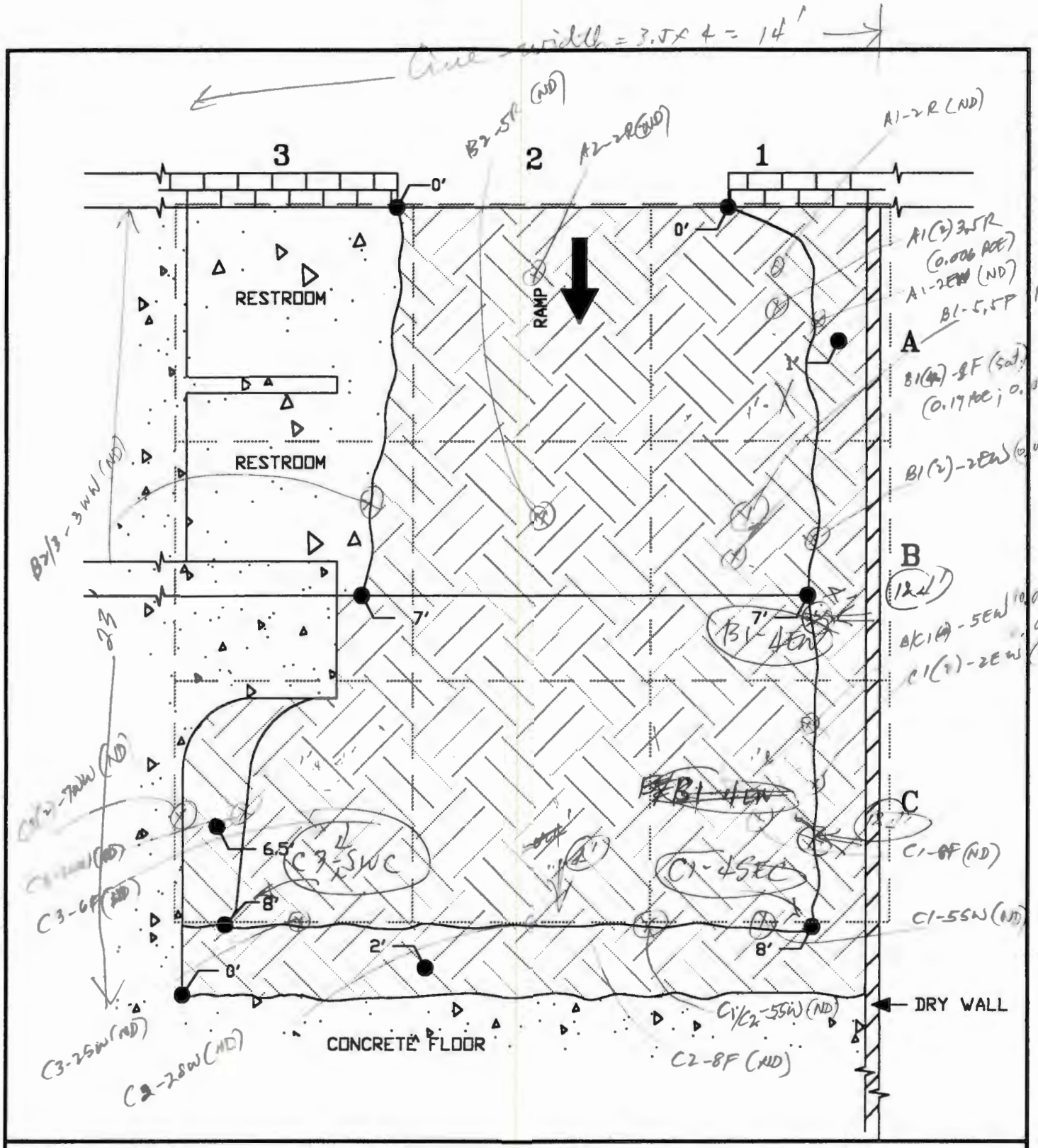
SITE LOCATION
FORMER SPARKLING CLEANERS
11867 VALLEY VIEW STREET
GARDEN GROVE, CA

DES.: S.R.R.	PROJECT NO.: 38148W1
APPD: R.G.S.	FIGURE NO.: 1
DATE: 11/98	

Silty sand — P: 0.437 θ = 0.128

2' — 0.61 m — 61 cm

8' — 2.44 m — 244 cm



LEGEND:

SCALE
1 IN = 4 FT
0 4

N

0' — DEPTH OF EXCAVATION

1 = EAST/WEST GRID BLOCK IDENTIFICATION

A = NORTH/SOUTH GRID BLOCK IDENTIFICATION

DIRT

CONCRETE

ALASKA PETROLEUM ENVIRONMENTAL SERVICE

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P.O. Box 81804
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714-867-2733
Fax: 714-867-0531

TITLE:

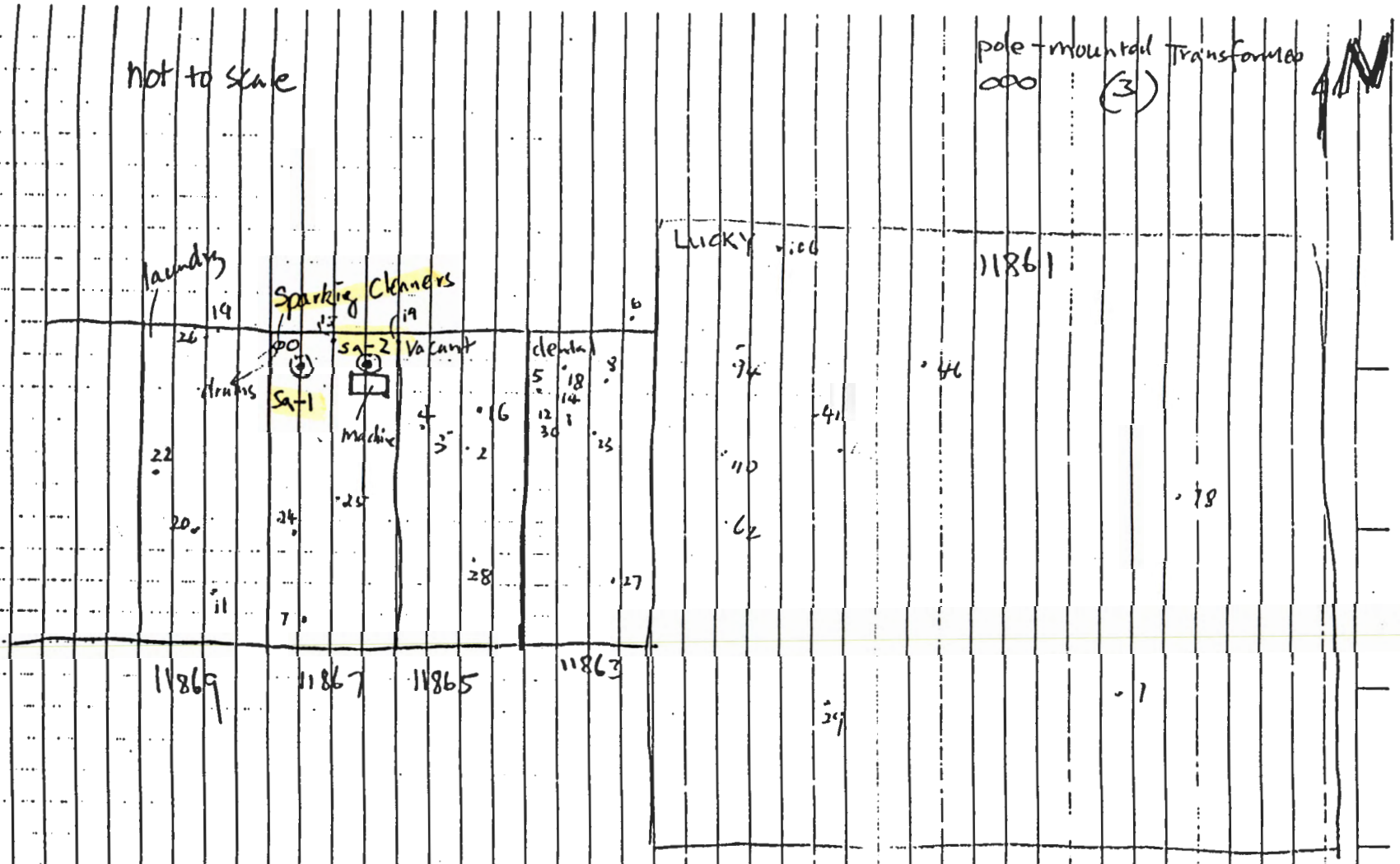
SITE DIAGRAM
FORMER SPARKLING CLEANERS
11867 VALLEY VIEW STREET
GARDEN GROVE, CA

DWN: S.R.R.	DES: S.R.R.	PROJECT NO: 38148W1
CHKD: R.G.S.	APPD: R.G.S.	FIGURE NO: 2
DATE: 11/98	REV: 0	

Appendix A

SITE SKETCH SHEET

not to scale



⊙ = soil sample

• = Building Material Sample

SITE NAME: ~~Air Shipping Center~~
MARC BOOGAY CONSULTING ENGINEER

not to scale

Del Mar Analytical

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

Marc Boogay Consulting
2141 El Camino Real #E
Oceanside, CA 92054
Attention: Yun Pan

Client Project ID: Chapman

Sample Descript: Soil, SA-1 (3')
Lab Number: FK04886

Sampled: Nov 26, 1996
Received: Nov 27, 1996
Extracted: Dec 6, 1996
Analyzed: Dec 6, 1996
Reported: Dec 10, 1996

HALOGENATED VOLATILE ORGANICS by GC (EPA 5030/8010)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	25	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	**5.0**	**9.8**
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	**5.0**	**5.0**
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL (ELAP #1197)

Nick Haring
Project Manager

Surrogate Standard Recovery:	
1-Chloro-3-fluorobenzene	94%

Results pertain only to samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical

Del Mar Analytical

2852 Alton Ave., Irvine, CA 92606 (714) 261-1022 FAX (714) 261-1228
1014 E. Cooley Dr., Suite A, Colton, CA 92324 (909) 370-4667 FAX (909) 370-1046
16525 Sherman Way, Suite C-11, Van Nuys, CA 91406 (818) 779-1844 FAX (818) 779-1843
2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

Marc Boogay Consulting	Client Project ID: Chapman	Sampled: Nov 26, 1996
2141 El Camino Real #E		Received: Nov 27, 1996
Oceanside, CA 92054	Sample Descript: Soil, SA-2 (2.5')	Extracted: Dec 6, 1996
Attention: Yun Pan	Lab Number: FK04887	Analyzed: Dec 6, 1996
		Revised: Dec 18, 1996

HALOGENATED VOLATILE ORGANICS by GC (EPA 5030/8010)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	200	N.D.
Bromoform	200	N.D.
Bromomethane	200	N.D.
Carbon tetrachloride	200	N.D.
Chlorobenzene	200	N.D.
Chloroethane	1,000	N.D.
2-Chloroethylvinyl ether	1,000	N.D.
Chloroform	200	N.D.
Chloromethane	200	N.D.
Dibromochloromethane	200	N.D.
1,2-Dichlorobenzene	400	N.D.
1,3-Dichlorobenzene	400	N.D.
1,4-Dichlorobenzene	400	N.D.
1,1-Dichloroethane	200	N.D.
1,2-Dichloroethane	200	N.D.
1,1-Dichloroethene	200	N.D.
cis-1,2-Dichloroethene	**200**	**3,500**
trans-1,2-Dichloroethene	200	N.D.
1,2-Dichloropropane	200	N.D.
cis-1,3-Dichloropropene	200	N.D.
trans-1,3-Dichloropropene	200	N.D.
Methylene chloride	400	N.D.
1,1,2,2-Tetrachloroethane	200	N.D.
Tetrachloroethene	**200**	**170***
1,1,1-Trichloroethane	200	N.D.
1,1,2-Trichloroethane	200	N.D.
Trichloroethene	200	N.D.
Trichlorofluoromethane	200	N.D.
Vinyl chloride	200	N.D.

*Results reported below the detection limits are semi-quantitative and not reproducible.

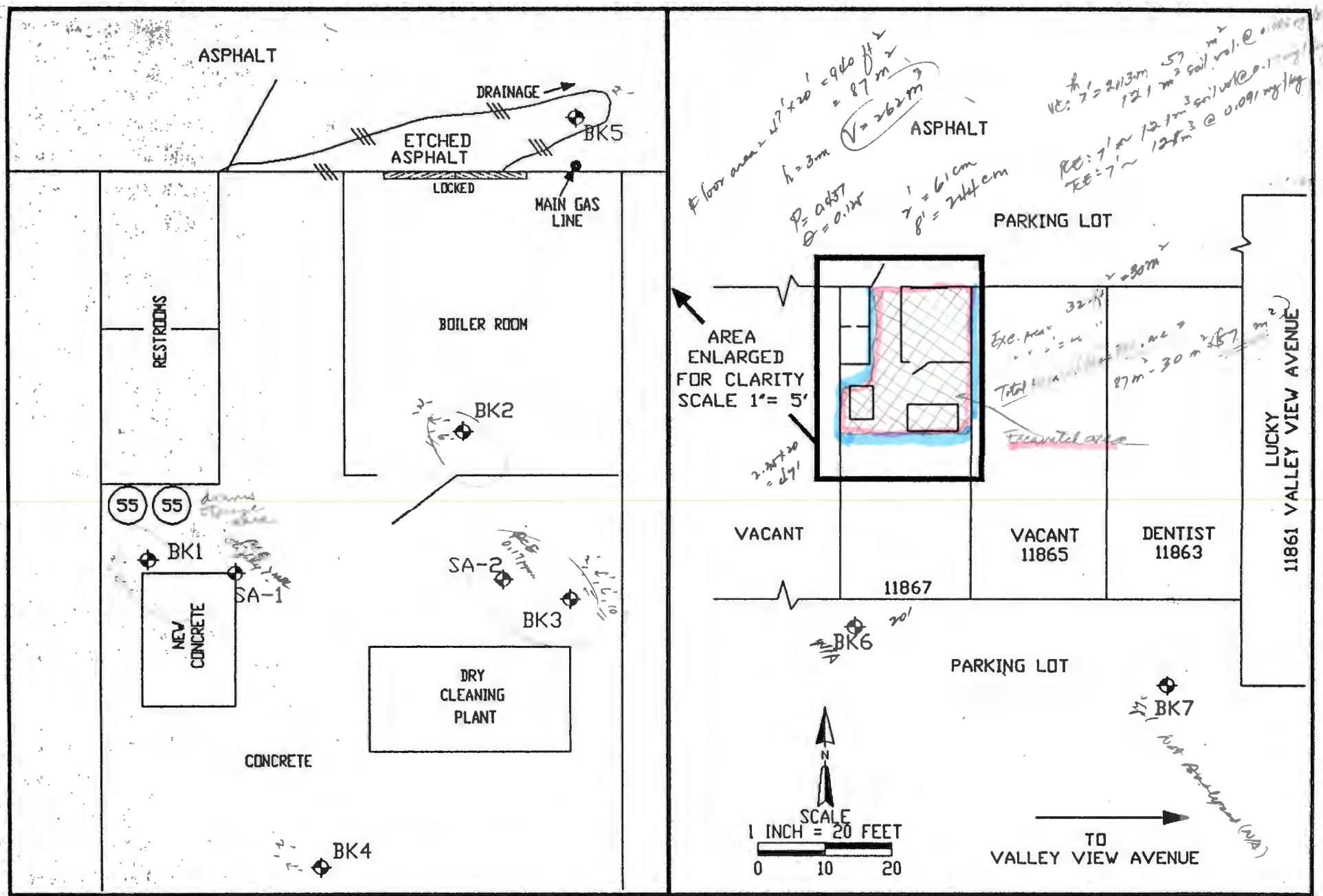
Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 40.

DEL MAR ANALYTICAL (ELAP #1197)

Surrogate Standard Recovery:	
1-Chloro-3-fluorobenzene	101%

Nick Haring
Project Manager

Results pertain only to samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical.



ALASKA PETROLEUM ENVIRONMENTAL ENGINEERING

Alaska Office
P.O. Box 81904
Fairbanks, AK 99708
907-479-5333

California Office
P.O. Box 14768
Long Beach, CA 90803
310-433-8144
Fax: 310-433-6868

LEGEND:
BOOGAY SAMPLE LOCATION — SA-X
ALASKA PETROLEUM SAMPLE LOCATION — BKX
IDENTIFICATION
CHANGE OF SURFACE MATERIAL
55 GALLON WASTE DRUM
STEEL DOOR

TITLE:

SITE DIAGRAM
SOIL BORING LOCATIONS
DOMAIN CORPORATION
VALLEY VIEW & CHAPMAN AVENUES
GARDEN GROVE, CA

DWN:	DES.:	PROJECT NO.:
S.R.R.	S.R.R.	701142
CHKD:	APPD:	
R.G.S.	R.G.S.	FIGURE NO.:
DATE:	REV.:	2
4/97	1	

Table I
Previous Analytical Results

Constituent[1] → Sample ID[2] ↓	vinyl chloride	trans-1,2-DCE	cis-1,2-DCE	TCE	PCE
BK1-2	<5	<3	18	7.7	210
BK1-4	5.3	<3	<3	<3	<5
BK2-2	68	21	400	<3	7.7
BK2-4	25	3.3	160	32	450
BK2-6	21	<3	<3	<3	<5
BK3-2	125 [3]	360	750	4,600	17,000
BK3-4	85	210	1,100	1,700	73
BK3-6	490 / 315 [4]	120	1,500	2,200	1,300
BK3-10	32	<6	110	<6	<10
BK4-2	<5	<3	<3	4.5	8.7
BK4-4	<5	<3	<3	<3	<5
BK5-2	<5	19	91	<6	<10
BK6-5	NA [5]	NA	NA	NA	NA
BK7-5	NA	NA	NA	NA	NA

[1] The first four chemical compounds are "daughter" or degradation products of "PCE" = perchloroethylene; all results are reported in ppb: "DCE" = dichloroethylene, "TCE" = trichloroethylene.
[2] "BK1-2" = Bollenbacher & Kelton, boring #1 sampled at a depth of two feet BGS.
[3] The elevated detection limit is due to the PCE contaminant concentration.
[4] The initial vinyl chloride concentration measured by the on-Site mobil laboratory was > 1,200 ppb; this sample was subsequently re-analyzed by the mobile lab and sent to another laboratory for confirmation analysis.
"NA" = Sample was not requested to be analyzed due to its relative distance from the dry cleaning plant or analytical results.

MATRIX
ANALYTICAL SERVICES, INC.

RECEIVED
APR 14 1997
A.P.E.E.

April 9, 1997

Mr. R. Glenn Stillman
Alaska Petroleum Environmental Engineering
P.O. Box 14766
Long Beach, CA 90803

RE: Eastgate Plaza; Garden Grove

Dear Glenn:

Enclosed are analytical results for samples submitted to our mobile laboratory in the field April 3, 1997, referenced under Matrix Work Order No. MAPR0397.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by Matrix, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria unless otherwise stated in the footnotes.

Matrix Analytical Services, Inc. is approved to perform environmental analyses by California's Department of Health Services Environmental Laboratory Accreditation Program (ELAP) under Certification #2008.

Please contact me if you have any questions or if I can be of further assistance.

Sincerely,

Matrix Analytical Services, Inc.

William M. Jow, Jr.

William M. Jow, Jr.
Laboratory Director
encl.

15617 S. Normandie Ave. Gardena, CA 90247 • Tel: (310) 329-5514 Facsimilie (310) 329-5561

Project Name: **Eastgate Plaza; Garden Grove**
Client: **Alaska Petroleum Environmental Engineers**
Project Number: **701142**
Work Order Number: **MAPR0397**

ANALYTICAL RESULTS
Purgeable and Aromatic Halocarbons in Soil
EPA Method 8010/8020[a]

Lab ID Number		Lab Blank	1	2	4
Client Identification		-	**BK1-2**	**BK1-4**	**BK2-2**
Date Sampled		-	4/3/97	4/3/97	4/3/97
Date Analyzed		4/3/97	4/3/97	4/3/97	4/3/97
Reporting Limit Multiplier		1	1	1	1
Analyte	Reporting Limit,ug/Kg	Concentration, ug/Kg (ppb)			
Freon 113	5	<5	<5	<5	<5
Carbon Tetrachloride	5	<5	<5	<5	<5
Chloroethane	5	<5	<5	<5	<5
Chloroform	5	<5	<5	<5	<5
Dichlorodifluoromethane	5	<5	<5	<5	<5
1,1-Dichloroethane (1,1-DCA)	3	<3	<3	<3	<3
1,2-Dichloroethane (1,2-DCA)	3	<3	<3	<3	<3
1,1-Dichloroethylene (1,1-DCE)	3	<3	<3	<3	<3
trans-1,2-Dichloroethylene	3	<3	<3	<3	**21**
Dichloromethane (Methylene Chloride)	5	<5	<5	<5	<5
1,1,1,2-Tetrachloroethane	3	<3	<3	<3	<3
1,1,2,2-Tetrachloroethane	3	<3	<3	<3	<3
Tetrachloroethylene (PCE)	5	<5	**210**	<5	**7.7**
1,1,1-Trichloroethane (111-TCA)	3	<3	<3	<3	<3
1,1,2-Trichloroethane (112-TCA)	3	<3	<3	<3	<3
Trichloroethylene (TCE)	3	<3	**7.7**	<3	<3
Trichlorofluoromethane	3	<3	<3	<3	<3
Vinyl chloride	5	<5	<5	**5.3**	**68**
cis-1,2-Dichloroethylene	3	<3	**18**	<3	**400**
Benzene	5	<5	<5	<5	<5
Toluene	5	<5	<5	<5	<5
Ethylbenzene	5	<5	<5	<5	<5
Xylenes, Total	5	<5	<5	<5	<5
SURROGATE: 4-Bromofluorobenzene[b]		96.2	77.3	91.6	90.3

[a] Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, EPA SW-846. Third Edition, Revision 1. US EPA July 1992/Organics in Water, EPA Method 601; "Test Procedures for Analysis of Organic Pollutants," Code of Federal Regulations, 40CFR Part 136, Appendix A, July 1992. b Surrogate recovery acceptability limits: 60-140%.

Project Name: **Eastgate Plaza; Garden Grove**
Client: **Alaska Petroleum Environmental Engineers**
Project Number: **701142**
Work Order Number: **MAPR0397**

ANALYTICAL RESULTS
Purgeable and Aromatic Halocarbons in Soil
EPA Method 8010/8020[a]

	Lab ID Number	3	12	5	6
	Client Identification	**BK2-4'**	**BK2-6'**	**BK3-2'**	**BK3-4'**
	Date Sampled	4/3/97	4/3/97	4/3/97	4/3/97
	Date Analyzed	4/3/97	4/3/97	4/3/97	4/3/97
	Reporting Limit Multiplier	1	1	25	2
Analyte	Reporting Limit, ug/Kg	Concentration, ug/Kg (ppb)			
Freon 113	5	<5	<5	<125	<10
Carbon Tetrachloride	5	<5	<5	<125	<10
Chloroethane	5	<5	<5	<125	<10
Chloroform	5	<5	<5	<125	<10
Dichlorodifluoromethane	5	<5	<5	<125	<10
1,1-Dichloroethane (1,1-DCA)	3	<3	<3	<75	<6
1,2-Dichloroethane (1,2-DCA)	3	<3	<3	<75	<6
1,1-Dichloroethylene (1,1-DCE)	3	<3	<3	<75	<6
trans-1,2-Dichloroethylene	3	**3.3**	<3	**360**	**210**
Dichloromethane (Methylene Chloride)	5	<5	<5	<125	<10
1,1,1,2-Tetrachloroethane	3	<3	<3	<75	<6
1,1,2,2-Tetrachloroethane	3	<3	<3	<75	<6
Tetrachloroethylene (PCE)	5	**450**	<5	**17,000**	**73**
1,1,1-Trichloroethane (111-TCA)	3	<3	<3	<75	<6
1,1,2-Trichloroethane (112-TCA)	3	<3	<3	<75	<6
Trichloroethylene (TCE)	3	**32**	<3	**4,600**	**1,700**
Trichlorofluoromethane	3	<3	<3	<75	<6
Vinyl chloride	5	**25**	**21**	<125	**85**
cis-1,2-Dichloroethylene	3	**160**	<3	**750**	**1,100**
Benzene	5	<5	<5	<125	<10
Toluene	5	<5	<5	<125	<10
Ethylbenzene	5	<5	<5	<125	<10
Xylenes, Total	5	<5	<5	<125	<10
SURROGATE: 4-Bromofluorobenzene[b]		99.3	91.7	104	91.7

[a] Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, EPA SW-846. Third Edition, Revision 1. US EPA July 1992/Organics in Water, EPA Method 601; "Test Procedures for Analysis of Organic Pollutants," Code of Federal Regulations, 40CFR Part 136, Appendix A, July 1992. b Surrogate recovery acceptability limits: 60-140%.

Project Name: **Eastgate Plaza; Garden Grove**
Client: **Alaska Petroleum Environmental Engineers**
Project Number: **701142**
Work Order Number: **MAPR0397**

ANALYTICAL RESULTS
Purgeable and Aromatic Halocarbons in Soil
EPA Method 8010/8020[a]

	Lab ID Number	13	14	7	8
	Client Identification	**BK3-6'**	**BK3-10'**	**BK4-2'**	**BK4-4'**
	Date Sampled	4/3/97	4/3/97	4/3/97	4/3/97
	Date Analyzed	4/3/97	4/3/97	4/3/97	4/3/97
	Reporting Limit Multiplier	5	2	1	1
Analyte	Reporting Limit,ug/Kg	Concentration, ug/Kg (ppb)			
Freon 113	5	<25	<10	<5	<5
Carbon Tetrachloride	5	<25	<10	<5	<5
Chloroethane	5	<25	<10	<5	<5
Chloroform	5	<25	<10	<5	<5
Dichlorodifluoromethane	5	<25	<10	<5	<5
1,1-Dichloroethane (1,1-DCA)	3	<15	<6	<3	<3
1,2-Dichloroethane (1,2-DCA)	3	<15	<6	<3	<3
1,1-Dichloroethylene (1,1-DCE)	3	<15	<6	<3	<3
trans-1,2-Dichloroethylene	3	**120**	<6	<3	<3
Dichloromethane (Methylene Chloride)	5	<25	<10	<5	<5
1,1,1,2-Tetrachloroethane	3	<15	<6	<3	<3
1,1,2,2-Tetrachloroethane	3	<15	<6	<3	<3
Tetrachloroethylene (PCE)	5	**1,300**	<10	**8.7**	<5
1,1,1-Trichloroethane (111-TCA)	3	<15	<6	<3	<3
1,1,2-Trichloroethane (112-TCA)	3	<15	<6	<3	<3
Trichloroethylene (TCE)	3	**2,200**	<6	**4.5**	<3
Trichlorofluoromethane	3	<15	<6	<3	<3
Vinyl chloride	5	**490**	**32**	<5	<5
cis-1,2-Dichloroethylene	3	**1,500**	**110**	<3	<3
Benzene	5	<25	<10	<5	<5
Toluene	5	<25	<10	<5	<5
Ethylbenzene	5	<25	<10	<5	<5
Xylenes, Total	5	<25	<10	<5	<5
SURROGATE: 4-Bromofluorobenzene[b]		96.5	91.9	63.0	96.2

[a] Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, EPA SW-846. Third Edition, Revision 1. US EPA July 1992/Organics in Water, EPA Method 601; "Test Procedures for Analysis of Organic Pollutants," Code of Federal Regulations, 40CFR Part 136, Appendix A, July 1992. b Surrogate recovery acceptability limits: 60-140%.

Project Name: **Eastgate Plaza; Garden Grove**
Client: **Alaska Petroleum Environmental Engineers**
Project Number: **701142**
Work Order Number: **MAPR0397**

ANALYTICAL RESULTS
Purgeable and Aromatic Halocarbons in Soil
EPA Method 8010/8020[a]

Lab ID Number		9
Client Identification		**BK5-2'**
Date Sampled		4/3/97
Date Analyzed		4/3/97
Reporting Limit Multiplier		1
Analyte	Reporting Limit, ug/Kg	Concentration, ug/Kg (ppb)
Freon 113	5	<5
Carbon Tetrachloride	5	<5
Chloroethane	5	<5
Chloroform	5	<5
Dichlorodifluoromethane	5	<5
1,1-Dichloroethane (1,1-DCA)	3	<3
1,2-Dichloroethane (1,2-DCA)	3	<3
1,1-Dichloroethylene (1,1-DCE)	3	<3
trans-1,2-Dichloroethylene	3	19
Dichloromethane (Methylene Chloride)	5	<5
1,1,1,2-Tetrachloroethane	3	<3
1,1,2,2-Tetrachloroethane	3	<3
Tetrachloroethylene (PCE)	5	<5
1,1,1-Trichloroethane (111-TCA)	3	<3
1,1,2-Trichloroethane (112-TCA)	3	<3
Trichloroethylene (TCE)	3	<3
Trichlorofluoromethane	3	<3
Vinyl chloride	5	<5
cis-1,2-Dichloroethylene	3	91
Benzene	5	<5
Toluene	5	<5
Ethylbenzene	5	<5
Xylenes, Total	5	<5
SURROGATE: 4-Bromofluorobenzene[b]		114

[a] Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, EPA SW-846. Third Edition, Revision 1. US EPA July 1992/Organics in Water, EPA Method 601; "Test Procedures for Analysis of Organic Pollutants," Code of Federal Regulations, 40CFR Part 136, Appendix A, July 1992. b Surrogate recovery acceptability limits: 60-140%.

Project Name: **Eastgate Plaza; Garden Grove**
Client: **Alaska Petroleum Environmental Engineers**
Project Number: **701142**
Work Order Number: **MAPR0397**

QA/QC REPORT

Matrix Spike (MS) and Matrix Spike Duplicate (MSD)
Purgeable and Aromatic Halocarbons
EPA Method 8010/8020[a]

Sample ID: **BK4-4'**
Date Analyzed: 4/3/97

Units: ug/Kg

ANALYTE	SAMPLE RESULTS	SPIKE AMOUNT	MS RESULT	MS % RECOVERY	MSD RESULT	RPD	MATRIX PRECISION LIMITS, RPD	MATRIX ACCURACY LIMITS, % RECOVERY (SOIL)
PCE	<5	200	220	110	186	17	42	26-162
TCE	<5	200	234	117	206	13	21	48-118
1,1-DCA	<5	200	220	110	186	17	23	52-120
trans-1,2-DCE	<5	200	226	113	187	19	24	54-119
Benzene	<5	200	200	100	191	4.6	21	48-118
Toluene	<5	200	200	104	186	7.3	23	52-120
Ethylbenzene	<5	200	200	100	189	5.7	24	54-119
Xylene, Total	<5	200	200	100	186	7.3	28	57-120

RPD = Relative Percent Difference

Matrix Analytical Services, Inc.
15617 S. Normandie Ave. Gardena, CA 90247
Telephone: (310) 329-5514
Facsimile: (310) 329-5561

Chain of Custody Record/Analysis Request Form

Page 1 of 2

Laboratory Work Order No. MAPR0397

Project No. 701142

Telephone No. (Consultant) (562) 433-5144

Project Name or Location Eastgate Plaza Garden Grove.

Fax No. (Consultant) (562) 433-6998

Project Manager (Consultant) R. Glenn Stillman

Invoice To (Client): APEE

Consultant name Alaska Petroleum Environmental Engineering

P.O. No. (Client)

Address (Consultant) P.O. Box ~~81904~~ 14766 Long Beach CA 90803

Sampler's Printed Name R. Glenn Stillman

Special Detection Limits/Reporting/QA QC

Client Sample I.D.	Line No.	Lab Sample No.	Matrix: Liquid	Solid	Vapor	Preservation: HCL	HNO3	H2SO4	Ice	Collection: Date	Time	Container: 40 ml vial	Brass Tube	Glass Jar	Analyses To Be Performed: acetate liner sleeve	BTEX/TPHG EPA 602/8020/M8015/LUFT	BTEX EPA 8020/602	TPH Diesel M8015/CA LUFT	Hydocarbon Screen EPA M8015/CA LUFT	TRPH by IR (CA/LUFT Screening Method)	Halogenated Volatile Organics 601/8010		8240 for Vinyl Chloride	Remarks
BK1-2'	1	MAPR0397-1		X					X	4/3/97	8:19am				X						X			
BK1-4'	2	-2		X					X		8:35am				X						X			
BK2-4	3	-3		X					X		8:54am				X						X			
BK2-2'	4	-4		X					X		8:47am				X						X			
BK3-2'	5	-5		X					X		0903				X						X			
BK3-4'	6	-6		X					X		0912				X						X			
BK4-2'	7	-7		X					X		0922				X						X			
BK4-4'	8	-8		X					X		0929				X						X			
BK5-2'	9	-9		X					X		1022				X						X			
BK6-5'	10	-10		X					X		1055				X						X			
BK7-5'	11	-11		X					X		1106				X						X			
BK2-6'	12	-12		X					X		1137				X						X			
BK3-6'	13	-13		X					X		1200				X						X		X	

X SENT TO Sterling Lab. 4/3/97

Turnaround Time
- X Mobile Lab Same Day
- X Priority Overnight
- 24 HR (1 Business Day)
- 48 HR (2 Business Days)
- 72 HR (3 Business Days)

Condition of sample:

Temperature received:

Relinquished by sampler	Date	Time	Received by	Company
X [signature]	4/3/97	1600		
Relinquished by	Date	Time	Received by	Company
Relinquished by	Date	Time	Received by laboratory	Date / Time
			[signature]	4/3/97 1600

Please Check One
- ___ Dispose by Lab
- ___ Return To Client

Distribution: White copy - Laboratory; Canary copy - Invoicing; Pink copy - Consultant

3/97

Matrix Analytical Services, Inc.
15617 S. Normandie Ave. Gardena, CA 90247
Telephone: (310) 329-5514
Facsimilie: (310) 329-5561

Chain of Custody Record/Analysis Request Form

Page 2 of 2

Laboratory Work Order No. MAPR0397

Project No. 701142	Telephone No. (Consultant) (562) 433-5144
Project Name or Location Eastgate Plaza Garden Grove	Fax No. (Consultant) 433-6998
Project Manager (Consultant) R. Glenn Stillman	Invoice To (Client): AEE
Consultant name Alaska Petroleum Env. Engineering	P.O. No. (Client)
Address (Consultant) PO Box 14766 Long Beach, CA 90803	Sampler's Printed Name R. Glenn Stillman

Special Detection Limits/Reporting/QA QC

Client Sample I.D.	Lab Sample No. (Line No. MAPR0397)	Matrix: Liquid	Matrix: Solid	Matrix: Vapor		Preservation: HCL	Preservation: HNO3	Preservation: H2SO4	Preservation: Ice		Collection: Date	Collection: Time	Container: 40 ml vial	Container: Brass Tube	Container: Glass Jar	Analyses To Be Performed: Acetate Sleeve	BTEX/TPHG EPA 602/8020/M8015/LUFT	BTEX EPA 8020/602	TPH Diesel M8015/CA LUFT	Hydocarbon Screen EPA M8015/CA LUFT	TRPH by IR (CA/LUFT Screening Method)	Halogenated Volatile Organics 601/8010				Remarks
BK3-10'	1 -14		X						X		4/3/97	1235				X						X				
	2																									
	3																									
	4																									
	5																									
	6																									
	7																									
	8																									
	9																									
	10																									
	11																									
	12																									
	13																									

Turnaround Time
- X Mobile Lab Same Day
- X Priority Overnight
- 24 HR (1 Business Day)
- 48 HR (2 Business Days)
- 72 HR (3 Business Days)

Condition of sample: Good

Temperature received:

Relinquished by sampler	Date 4/3/97	Time 1600	Received by / Company
Relinquished by	Date	Time	Received by / Company
Relinquished by	Date	Time	Received by laboratory: Bill Jones — Date 4/3/97 Time 1600

Please Check One
- ___ Dispose by Lab
- ___ Return To Client

Distribution: White copy - Laboratory; Canary copy - Invoicing; Pink copy - Consultant

3/97

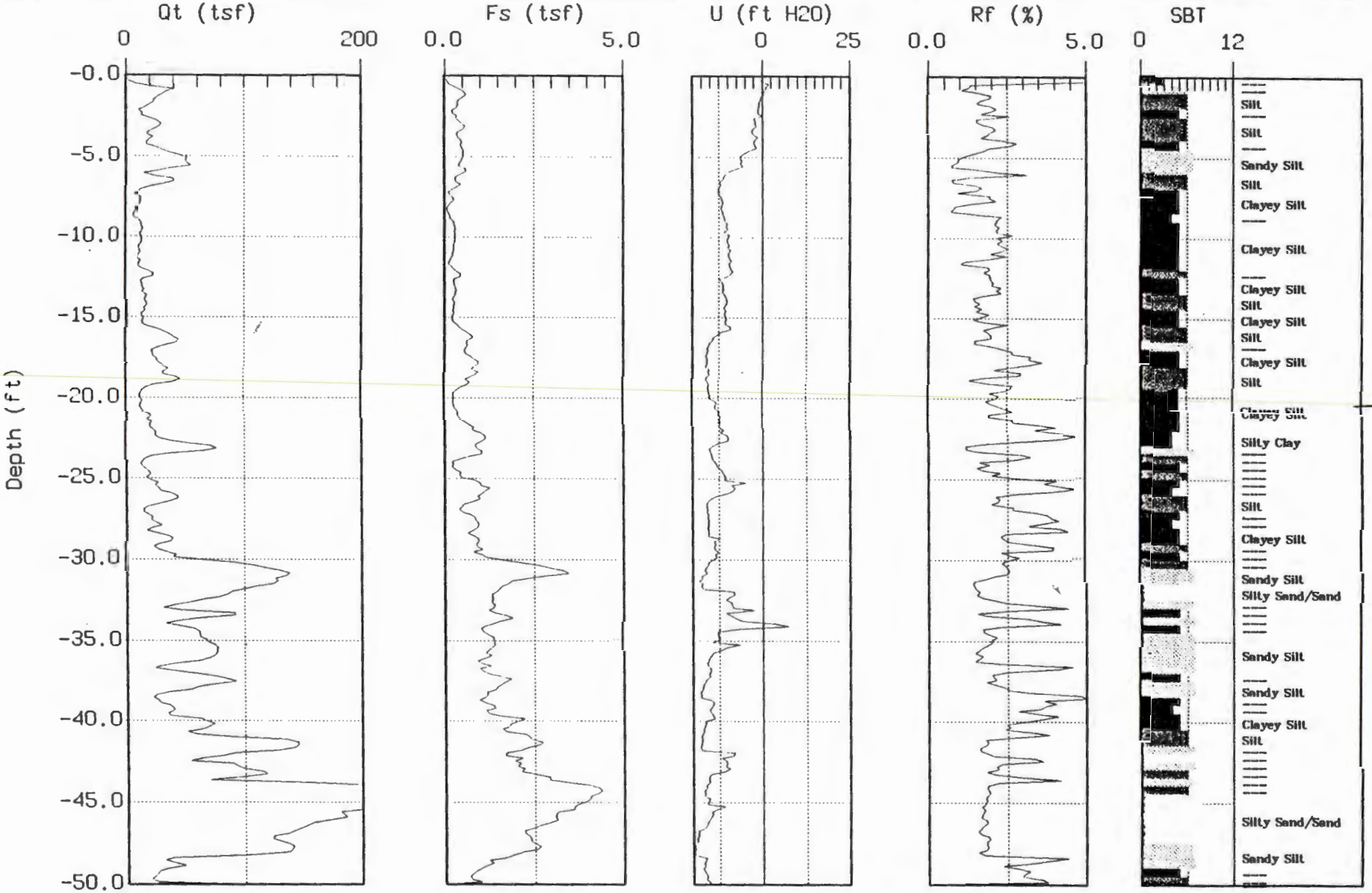
Appendix B

GREGG

GPI

Site : EASTGATE PLAZA
Location : C-3

PROJECT #: 1396.01
Date : 04:02:97 07:20



Max. Depth: 50.20 (ft)
Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson and Campanella 1988)

Appendix C

TAILGATE SAFETY MEETING

Supervisor: RBJ

Manager: RBJ

Company: APEE

Facility: Sparkling Cleaners

Date: 9/7/98 Time: 0800 0800

Job No.: 38148

Client: Domain Corp

Site Address: 11367 Valley View Dr. 66

9/17/98

Work Area Location: Former Sparkling Cleaners

Type of Work to be Performed (Objectives): PH3

SAFETY TOPICS

Protective Clothing/Equipment: Level D

Potential Chemical Hazards: PCE / degradation products

Potential Physical Hazards: trip / fall, equipment noise

Emergency Procedures: first aid kit, 911

Hospital/Clinic: p.14 F3 Los Alamitos Medical Center

Address: 3571 Katella Ave Los Alamitos Phone: (714) 826-6400

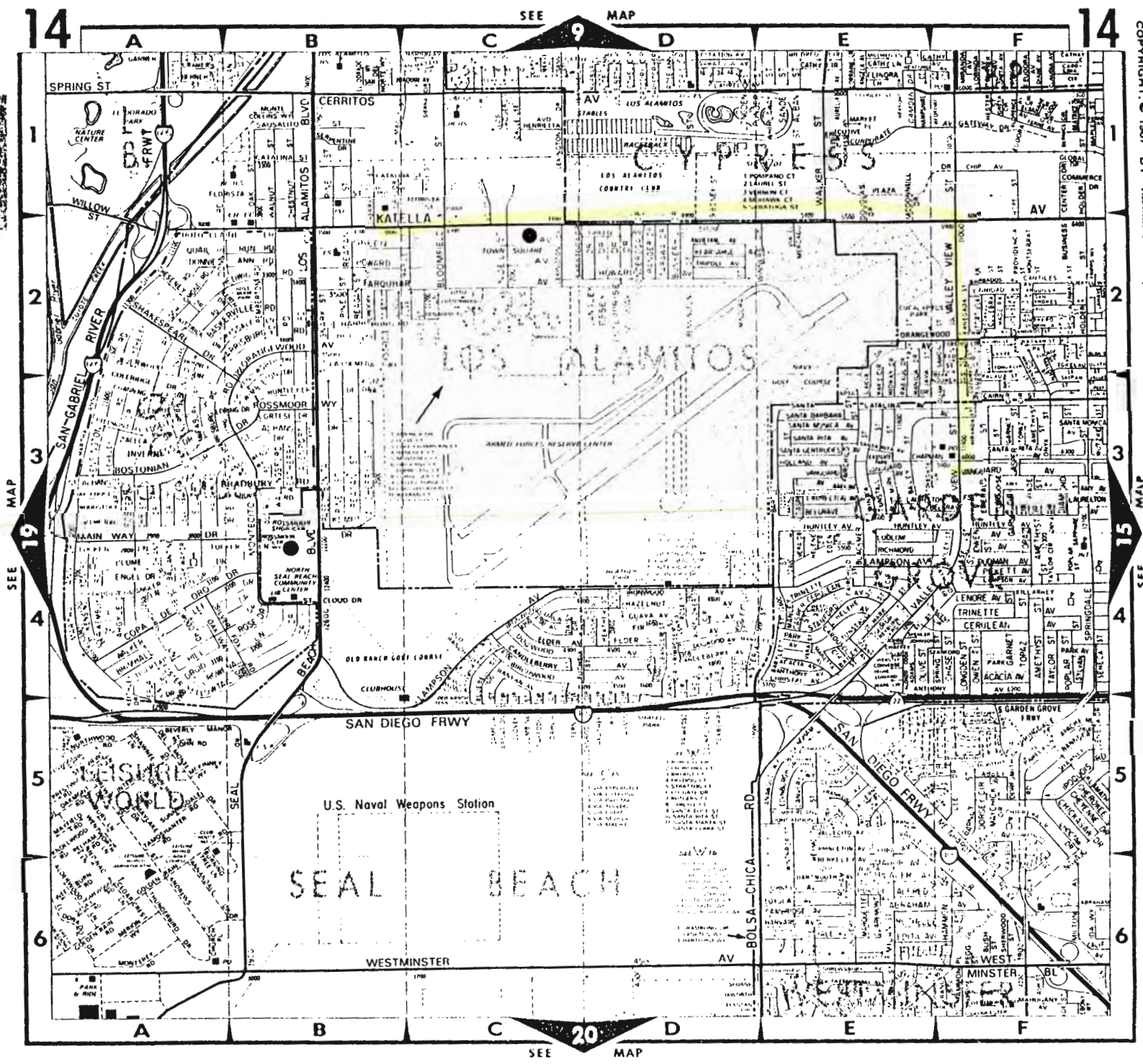
Fire department or paramedics Phone: 911

Special Equipment to Bring: PID

Other:

ATTENDEES

Company	Print Name/Signature	
Alaska Petroleum Envr	[illegible]	8/7/98
ENR		9/17/98
		9/29/98
		10/23/98
		11/12/98
Penwell	JOHN HUTCHIES	8/9/98
	Jon Hutchies	
McFain Analytical	Bill Tow	8/7/98
		9/12/98
Addison Equip Rental	Randy Collins	9/17/98
	Randy K Collens	9/29/98
	Randy Collins	10/23/98
		11/12/98



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Appendix D

NO. 05775

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME Domain Corporation

EPA I.D. NO. CAC001421088

ADDRESS 2716 Ocean Park Blvd, Ste 3006

PROFILE NO.

CITY, STATE, ZIP Santa Monica, CA 90405

PHONE NO. (310) 396-4514

CONTAINERS: No. 372 VOLUME 400 GAL WEIGHT

TYPE: ☑ TANK TRUCK ☐ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION GROUND WATER

GENERATING PROCESS

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1.			5.		
2. see attached info.			6.		
3.			7.		
4.			8.		

PROPERTIES: pH ☐ SOLID ☑ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTRUCTIONS:

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

R. Glenn Stillman designated agent

[signature] 10/23/98

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME NIETO AND SONS TRUCKING, INC./NASI, INC.

EPA I.D. NO.

ADDRESS 1281 BREA CANYON ROAD

SERVICE ORDER NO.

CITY, STATE, ZIP BREA, CALIFORNIA 92621

PICK UP DATE

PHONE NO. (714) 990-6855

MIKE LUNA [signature] 10-23-98

TRUCK, UNIT, I.D. NO. 372

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME DEMENNO KERDOON

EPA I.D. NO. CAT080013352

DISPOSAL METHOD

ADDRESS 2000 N. ALAMEDA ST.

☐ LANDFILL ☑ OTHER Recycle

CITY, STATE, ZIP COMPTON CA 90222

PHONE NO. 310 5377100

[signature] 10-23-98

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	TONS
TRANS		S B	
C/O		RT/CD	HWDF NONE

DISCREPANCY

Appendix E

MATRIX
ANALYTICAL SERVICES, INC.

RECEIVED

OCT 21 1998

A.P.E.E.

September 23, 1998

R. Glenn Stillman
Alaska Petroleum Environmental Engineering
P.O. Box 5365
Garden Grove, CA 92846-0365

Re: Project No. 38148 - Valley View @ Chapman - Garden Grove

Dear Glenn:

Enclosed are analytical results for samples submitted to our laboratory on September 17, 1998, referenced under Matrix Work Order No. **MSEP1798**.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by Matrix, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria unless otherwise stated in the footnotes.

Matrix Analytical Services, Inc. is approved to perform environmental analyses by California's Department of Health Services Environmental Laboratory Accreditation Program (ELAP) under Certification #2008.

Please contact me if you have any questions or if I can be of further assistance.

Sincerely,

Matrix Analytical Services, Inc.

William M. Jow
Laboratory Director
encl.

This cover letter is an integral part of this analytical report.

This report pertains only to the samples investigated. This report is intended for the exclusive use of the client to whom it is addressed. Any reproduction or use of this laboratory's work product for any other purpose without prior authorization from Matrix Analytical Services, Inc. is prohibited.

15617 S. Normandie Ave. Gardena, CA 90247 • Tel: (310) 329-5514 Facsimilie (310) 329-5561

Client: **Alaska Petroleum Environmental Engineering**
Project No.: **38148**
Project Location: **Valley View @ Chapman, Garden Grove**
Work Order Number: **MSEP1798**

ANALYTICAL RESULTS
Purgeable Halocarbons in Soil
EPA Method 8010[a]/5030

Lab ID Number		Lab Blank	1	2	3	4
Client Identification		-	**C3-7WW**	**A1-2EW**	**B1-2EW**	**C1-2EW**
Date Sampled		-	9/17/98	9/17/98	9/17/98	9/17/98
Date Analyzed		9/17/98	9/17/98	9/17/98	9/17/98	9/17/98
Reporting Limit Multiplier		1	10	1	10	2.5
Analyte	Reporting Limit,mg/Kg	Concentration, mg/Kg (ppm)				
Freon 113	0.050	<0.050	<0.50	<0.050	<0.50	<0.13
Carbon Tetrachloride	0.005	<0.005	<0.050	<0.005	<0.050	<0.013
Chloroethane	0.005	<0.005	<0.050	<0.005	<0.050	<0.013
Chloroform	0.005	<0.005	<0.050	<0.005	<0.050	<0.013
Dichlorodifluoromethane	0.005	<0.005	<0.050	<0.005	<0.050	<0.013
1,1-Dichloroethane (1,1-DCA)	0.005	<0.005	<0.050	<0.005	<0.050	<0.013
1,2-Dichloroethane (1,2-DCA)	0.005	<0.005	<0.050	<0.005	<0.050	<0.013
1,1-Dichloroethylene (1,1-DCE)	0.005	<0.005	<0.050	<0.005	<0.050	<0.013
trans-1,2-Dichloroethylene	0.005	<0.005	**0.094**	<0.005	<0.050	<0.013
Dichloromethane (Methylene Chloride)	0.050	<0.050	<0.50	<0.050	<0.50	<0.13
1,1,1,2-Tetrachloroethane	0.005	<0.005	<0.050	<0.005	<0.050	<0.013
1,1,2,2-Tetrachloroethane	0.005	<0.005	<0.050	<0.005	<0.050	<0.013
Tetrachloroethylene (PCE)	0.005	<0.005	**0.73**	<0.005	**0.37**	**1.4**
1,1,1-Trichloroethane (111-TCA)	0.005	<0.005	<0.050	<0.005	<0.050	<0.013
1,1,2-Trichloroethane (112-TCA)	0.005	<0.005	<0.050	<0.005	<0.050	<0.013
Trichloroethylene (TCE)	0.005	<0.005	**2.7**	<0.005	**0.089**	**0.36**
Trichlorofluoromethane	0.005	<0.005	<0.050	<0.005	<0.050	<0.013
Vinyl chloride	0.005	<0.005	**0.30**	<0.005	<0.050	<0.013
cis-1,2-Dichloroethylene	0.005	<0.005	**0.84**	<0.005	**0.081**	**0.071**
SURROGATE: 4-Bromofluorobenzene[b]		104	92.0	80.4	93.5	132

[a] Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, EPA SW-846. Third Edition, Revision 1. US EPA July 1992/Organics in Water, EPA Method 601; "Test Procedures for Analysis of Organic Pollutants," Code of Federal Regulations, 40CFR Part 136, Appendix A, July 1992. [b] Surrogate recovery acceptability limits: 60-140%.

Freon 113 = 1,1,2-Trichloro-1,2,2-Trifluoroethane

Client: **Alaska Petroleum Environmental Engineering**
Project No.: **38148**
Project Location: **Valley View @ Chapman, Garden Grove**
Work Order Number: **MSEP1798**

ANALYTICAL RESULTS
Purgeable Halocarbons in Soil
EPA Method 8010[a]/5030

Lab ID Number		5	6	7	8	9
Client Identification		**C2-2SW**	**C3-2SW**	**C3-2WW**	**C1-8F**	**C2-8F**
Date Sampled		9/17/98	9/17/98	9/17/98	9/17/98	9/17/98
Date Analyzed		9/17/98	9/17/98	9/17/98	9/17/98	9/17/98
Reporting Limit Multiplier		1	1	1	1	1
Analyte	Reporting Limit,mg/Kg	Concentration, mg/Kg (ppm)				
Freon 113	0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Carbon Tetrachloride	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroethane	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroform	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dichlorodifluoromethane	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloroethane (1,1-DCA)	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichloroethane (1,2-DCA)	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloroethylene (1,1-DCE)	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
trans-1,2-Dichloroethylene	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dichloromethane (Methylene Chloride)	0.050	<0.050	<0.050	<0.050	<0.050	<0.050
1,1,1,2-Tetrachloroethane	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,2,2-Tetrachloroethane	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Tetrachloroethylene (PCE)	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,1-Trichloroethane (111-TCA)	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,2-Trichloroethane (112-TCA)	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Trichloroethylene (TCE)	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Trichlorofluoromethane	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Vinyl chloride	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
cis-1,2-Dichloroethylene	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
SURROGATE: 4-Bromofluorobenzene[b]		79.4	75.1	70.7	78.8	78.9

[a] Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, EPA SW-846. Third Edition, Revision 1. US EPA July 1992/Organics in Water, EPA Method 601; "Test Procedures for Analysis of Organic Pollutants," Code of Federal Regulations, 40CFR Part 136, Appendix A, July 1992. [b] Surrogate recovery acceptability limits: 60-140%.

Freon 113 = 1,1,2-Trichloro-1,2,2-Trifluoroethane

Client: **Alaska Petroleum Environmental Engineering**
Project No.: **38148**
Project Location: **Valley View @ Chapman, Garden Grove**
Work Order Number: **MSEP1798**

ANALYTICAL RESULTS
Purgeable Halocarbons in Soil
EPA Method 8010[a]/5030

Lab ID Number		10	11	12	13	14
Client Identification		**C3-6F**	**B1-5.5F**	**A1-2R**	**A2-2R**	**B2-5R**
Date Sampled		9/17/98	9/17/98	9/17/98	9/17/98	9/17/98
Date Analyzed		9/17/98	9/17/98	9/17/98	9/17/98	9/17/98
Reporting Limit Multiplier		1	1	2.5	1	1
Analyte	Reporting Limit,mg/Kg	Concentration, mg/Kg (ppm)				
Freon 113	0.050	<0.050	<0.050	<0.13	<0.050	<0.050
Carbon Tetrachloride	0.005	<0.005	<0.005	<0.013	<0.005	<0.005
Chloroethane	0.005	<0.005	<0.005	<0.013	<0.005	<0.005
Chloroform	0.005	<0.005	<0.005	<0.013	<0.005	<0.005
Dichlorodifluoromethane	0.005	<0.005	<0.005	<0.013	<0.005	<0.005
1,1-Dichloroethane (1,1-DCA)	0.005	<0.005	<0.005	<0.013	<0.005	<0.005
1,2-Dichloroethane (1,2-DCA)	0.005	<0.005	<0.005	<0.013	<0.005	<0.005
1,1-Dichloroethylene (1,1-DCE)	0.005	<0.005	<0.005	<0.013	<0.005	<0.005
trans-1,2-Dichloroethylene	0.005	<0.005	<0.005	<0.013	<0.005	<0.005
Dichloromethane (Methylene Chloride)	0.050	<0.050	<0.050	<0.13	<0.050	<0.050
1,1,1,2-Tetrachloroethane	0.005	<0.005	<0.005	<0.013	<0.005	<0.005
1,1,2,2-Tetrachloroethane	0.005	<0.005	<0.005	<0.013	<0.005	<0.005
Tetrachloroethylene (PCE)	0.005	<0.005	**0.012**	**0.027**	<0.005	<0.005
1,1,1-Trichloroethane (111-TCA)	0.005	<0.005	<0.005	<0.013	<0.005	<0.005
1,1,2-Trichloroethane (112-TCA)	0.005	<0.005	<0.005	<0.013	<0.005	<0.005
Trichloroethylene (TCE)	0.005	<0.005	<0.005	<0.013	<0.005	<0.005
Trichlorofluoromethane	0.005	<0.005	<0.005	<0.013	<0.005	<0.005
Vinyl chloride	0.005	<0.005	<0.005	<0.013	<0.005	<0.005
cis-1,2-Dichloroethylene	0.005	<0.005	**0.006**	<0.013	<0.005	<0.005
SURROGATE: 4-Bromofluorobenzene[b]		80.4	76.3	108	73.1	78.0

[a] Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, EPA SW-846. Third Edition, Revision 1. US EPA July 1992/Organics in Water, EPA Method 601; "Test Procedures for Analysis of Organic Pollutants," Code of Federal Regulations, 40CFR Part 136, Appendix A, July 1992. [b] Surrogate recovery acceptability limits: 60-140%.

Freon 113 = 1,1,2-Trichloro-1,2,2-Trifluoroethane

MATRIX ANALYTICAL SERVICES, INC.

Client: **Alaska Petroleum Environmental Engineering**
Project No.: **38148**
Project Location: **Valley View @ Chapman, Garden Grove**
Work Order Number: **MSEP1798**

ANALYTICAL RESULTS
Purgeable Halocarbons in Soil
EPA Method 8010[a]/5030

	Lab ID Number	15	16	17	18	19
	Client Identification	**B2/3-3WW**	**C1-5SW**	**C1/C2-5SW**	**B/C1-5EW**	**SP1-4**
	Date Sampled	9/17/98	9/17/98	9/17/98	9/17/98	9/17/98
	Date Analyzed	9/17/98	9/17/98	9/17/98	9/17/98	9/17/98
	Reporting Limit Multiplier	1	1	1	10	10
Analyte	Reporting Limit,mg/Kg	Concentration, mg/Kg (ppm)				
Freon 113	0.050	<0.050	<0.050	<0.050	<0.50	<0.50
Carbon Tetrachloride	0.005	<0.005	<0.005	<0.005	<0.050	<0.050
Chloroethane	0.005	<0.005	<0.005	<0.005	<0.050	<0.050
Chloroform	0.005	<0.005	<0.005	<0.005	<0.050	<0.050
Dichlorodifluoromethane	0.005	<0.005	<0.005	<0.005	<0.050	<0.050
1,1-Dichloroethane (1,1-DCA)	0.005	<0.005	<0.005	<0.005	<0.050	<0.050
1,2-Dichloroethane (1,2-DCA)	0.005	<0.005	<0.005	<0.005	<0.050	<0.050
1,1-Dichloroethylene (1,1-DCE)	0.005	<0.005	<0.005	<0.005	<0.050	<0.050
trans-1,2-Dichloroethylene	0.005	<0.005	<0.005	<0.005	**0.38**	<0.050
Dichloromethane (Methylene Chloride)	0.050	<0.050	<0.050	<0.050	<0.50	<0.50
1,1,1,2-Tetrachloroethane	0.005	<0.005	<0.005	<0.005	<0.050	<0.050
1,1,2,2-Tetrachloroethane	0.005	<0.005	<0.005	<0.005	<0.050	<0.050
Tetrachloroethylene (PCE)	0.005	<0.005	<0.005	<0.005	<0.050	**0.064**
1,1,1-Trichloroethane (111-TCA)	0.005	<0.005	<0.005	<0.005	<0.050	<0.050
1,1,2-Trichloroethane (112-TCA)	0.005	<0.005	<0.005	<0.005	<0.050	<0.050
Trichloroethylene (TCE)	0.005	<0.005	<0.005	<0.005	<0.050	<0.050
Trichlorofluoromethane	0.005	<0.005	<0.005	<0.005	<0.050	<0.050
Vinyl chloride	0.005	<0.005	<0.005	<0.005	**0.51**	<0.050
cis-1,2-Dichloroethylene	0.005	**0.006**	<0.005	<0.005	**1.0**	**0.12**
SURROGATE: 4-Bromofluorobenzene[b]		76.0	74.5	81.4	89.2	98.2

[a] Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, EPA SW-846. Third Edition, Revision 1. US EPA July 1992/Organics in Water, EPA Method 601; "Test Procedures for Analysis of Organic Pollutants," Code of Federal Regulations, 40CFR Part 136, Appendix A, July 1992. [b] Surrogate recovery acceptability limits: 60-140%.

Freon 113 = 1,1,2-Trichloro-1,2,2-Trifluoroethane

Client: **Alaska Petroleum Environmental Engineering**
Project No.: **38148**
Project Location: **Valley View @ Chapman, Garden Grove**
Work Order Number: **MSEP1798**

ANALYTICAL RESULTS
Purgeable Halocarbons in Soil
EPA Method 8010[a]/5030

Lab ID Number		20	21	22	
Client Identification		**SP28-4**	**SP12-4**	**SP20-4**	
Date Sampled		9/17/98	9/17/98	9/17/98	
Date Analyzed		9/17/98	9/17/98	9/17/98	
Reporting Limit Multiplier		1	10	1	
Analyte	Reporting Limit,mg/Kg	Concentration, mg/Kg (ppm)			
Freon 113	0.050	<0.050	<0.50	<0.050	
Carbon Tetrachloride	0.005	<0.005	<0.050	<0.005	
Chloroethane	0.005	<0.005	<0.050	<0.005	
Chloroform	0.005	<0.005	<0.050	<0.005	
Dichlorodifluoromethane	0.005	<0.005	<0.050	<0.005	
1,1-Dichloroethane (1,1-DCA)	0.005	<0.005	<0.050	<0.005	
1,2-Dichloroethane (1,2-DCA)	0.005	<0.005	<0.050	<0.005	
1,1-Dichloroethylene (1,1-DCE)	0.005	<0.005	<0.050	<0.005	
trans-1,2-Dichloroethylene	0.005	<0.005	<0.050	<0.005	
Dichloromethane (Methylene Chloride)	0.050	<0.050	<0.50	<0.050	
1,1,1,2-Tetrachloroethane	0.005	<0.005	<0.050	<0.005	
1,1,2,2-Tetrachloroethane	0.005	<0.005	<0.050	<0.005	
Tetrachloroethylene (PCE)	0.005	<0.005	**0.11**	**0.006**	
1,1,1-Trichloroethane (111-TCA)	0.005	<0.005	<0.050	<0.005	
1,1,2-Trichloroethane (112-TCA)	0.005	<0.005	<0.050	<0.005	
Trichloroethylene (TCE)	0.005	<0.005	<0.050	<0.005	
Trichlorofluoromethane	0.005	<0.005	<0.050	<0.005	
Vinyl chloride	0.005	<0.005	<0.050	<0.005	
cis-1,2-Dichloroethylene	0.005	<0.005	**0.060**	<0.005	
SURROGATE: 4-Bromofluorobenzene[b]		78.8	93.4	90.2	

[a] Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, EPA SW-846. Third Edition, Revision 1. US EPA July 1992/Organics in Water, EPA Method 601; "Test Procedures for Analysis of Organic Pollutants," Code of Federal Regulations, 40CFR Part 136, Appendix A, July 1992. [b] Surrogate recovery acceptability limits: 60-140%.

Freon 113 = 1,1,2-Trichloro-1,2,2-Trifluoroethane

Client: **Alaska Petroleum Environmental Engineering**
Project No.: **38148**
Project Location: **Valley View @ Chapman, Garden Grove**
Work Order Number: **MSEP1798**

QA/QC REPORT
Purgeable Halocarbons
Matrix Spike (MS)/Matrix Spike Duplicate (MSD)
EPA Method 8010/5030 [a]

Units: mg/Kg

Date Analyzed: 9/18/98
Sample Name: **C3-6F**

ANALYTE	SPK CONC	MS Result	MS % REC	MSD Result	MSD % REC	RPD	ACP RPD	ACP %MS
Carbon Tetrachloride	0.200	0.186	93.0	0.182	91.0	1.4	31	43-143
1,1-Dichloroethylene	0.200	0.147	73.5	0.145	72.5	0.9	38	28-167
trans-1,2-Dichloroethylene	0.200	0.174	87.0	0.173	86.5	0.4	35	38-155
Tetrachloroethylene (PCE)	0.200	0.162	81.0	0.163	81.5	0.4	42	25-162
Trichloroethylene (TCE)	0.200	0.165	82.5	0.170	85.0	2.0	35	35-146
1,1,1-Trichloroethane	0.200	0.173	86.5	0.175	87.5	0.8	35	41-138
1,1-Dichloroethane	0.200	0.184	92.0	0.183	91.5	0.4	27	47-132
cis-1,2-Dichloroethylene	0.200	0.187	93.5	0.189	94.5	0.7	35	38-155

[a] Adapted fromTest Methods for Evaluating Solid Waste, Physical/Chemical Methods, EPA SW-846. Third Edition, Revision 1. US EPA July 1992/Organics in Water, EPA Method 601; "Test Procedures for Analysis of Organic Pollutants," Code of Federal Regulations, 40CFR Part 136, Appendix A, July 1992.

SPK CONC = Spiked Concentration, %REC = Percent Recovery, RPD = Relative Percent Difference, ACP = Acceptable

(1)

Matrix Analytical Services, Inc.
15617 S. Normandie Ave. Gardena, CA 90247
Telephone: (310) 329-5514
Facsimilie: (310) 329-5561

Chain of Custody Record/Analysis Request Form

Page 1 of 2

Laboratory Work Order No. MSEP1798

Project No: 38148

Project Name or Location: Valley View @ Chapman Garden Grove

Project Manager (Consultant): R. Glenn Stillman

Consultant name: Alaska Petroleum Env. Engineering

Address (Consultant): PO Box Garden Grove, CA

Telephone No. (Consultant):

Fax No. (Consultant):

Invoice To (Client): APEE

P.O. No. (Client):

Sampler's Printed Name: R. Glenn Stillman

Special Detection Limits/Reporting/QA QC

Client Sample I.D.	Line No.	Lab Sample No.	Matrix: Liquid	Matrix: Solid	Matrix: Vapor	Preservation: HCL	Preservation: HNO3	Preservation: H2SO4	Preservation: Ice	Collection: Date	Collection: Time	Container: 40 ml vial	Container: Brass Tube	Container: Glass Jar	Analyses To Be Performed: BTEX/TPHG EPA 602/8020/M8015/LUFT	BTEX EPA 8020/602	TPH Diesel M8015/CA LUFT	Hydocarbon Screen EPA M8015/CA LUFT	TRPH by IR (CA/LUFT Screening Method)	Halogenated Volatile Organics 601/602	Remarks
C3-7WW	1	1		X					X	9/17/98	1210			X						X	
A1-2EW	2	2									1157										
B1-2EW	3	3									1159										
C1-2EW	4	4									1200										
C2-2SW	5	5									1201										
C3-2SW	6	6									1202										
C3-2WW	7	7									1203										
C1-8F	8	8									1215										
C2-8F	9	9									1216										
C3-6F	10	10									1217										
B1-5.5F	11	11									1218										
A1-2R	12	12									1220										
A2-2R	13	13									1220										

Turnaround Time
- X Mobile Lab Same Day
- X Priority Overnight
- 24 HR (1 Business Day)
- 48 HR (2 Business Days)
- 72 HR (3 Business Days)

Condition of sample:

Temperature received:

Relinquished by	Date	Time	Received by	Company
Relinquished by sampler	9/17/98	1348		
Relinquished by			Received by	
Relinquished by			Received by laboratory: Bill Jow	Date 9/17/98 Time 1348

Please Check One
- ___ Dispose by Lab
- ___ Return To Client

Distribution: White copy - Laboratory; Canary copy - Invoicing; Pink copy - Consultant

3/97

Matrix Analytical Services, Inc.

15617 S. Normandie Ave. Gardena, CA 90247

Telephone: (310) 329-5514
Facsimilie: (310) 329-5561

Chain of Custody Record/Analysis Request Form

Page 2 of 2

Laboratory Work Order No MSEP1798

Project No 38148

Telephone No. (Consultant)

Project Name or Location Valley View @ Chapman Garden Grove, CA

Fax No. (Consultant)

Project Manager (Consultant) R. Glenn Stillman

Invoice To (Client): APEE

Consultant name Alaska Petroleum Env. Engineering

P.O. No. (Client)

Address (Consultant) P.O. Box Garden Grove, CA

Sampler's Printed Name R. Glenn Stillman

Special Detection Limits/Reporting/QA QC

Client Sample I.D.	Line No.	Lab Sample No.	Liquid	Solid	Vapor	HCL	HNO3	H2SO4	Ice	Date	Time	40 ml vial	Brass Tube	Glass Jar	BTEX/TPHG EPA 602/8020/M8015/LUFT	BTEX EPA 8020/602	TPH Diesel M8015/CA LUFT	Hydocarbon Screen EPA M8015/CA LUFT	TRPH by IR (CA/LUFT Screening Method)	Halogenated Volatile Organics 601/8010	Remarks
B2-5R	1	14		X					X	9/17/98	1220			X						X	
B2/3-3WW	2	15		X										X						X	
C1-5SW	3	16		X										X						X	
C1/C2-5SW	4	17		X							1240			X						X	
B/C1-5EW	5	18		X							1242			X						X	
SP1-4	6	19		X							1316			X						X	
SP28-4	7	20		X							1318			X						X	
SP12-4	8	21		X							1322			X						X	
SP20-4	9	22		X							1324			X						X	
	10																				
	11																				
	12																				
	13																				

Turnaround Time

- X Mobile Lab Same Day
- X Priority Overnight
- 24 HR (1 Business Day)
- 48 HR (2 Business Days)
- 72 HR (3 Business Days)

Condition of sample:

Temperature received:

Relinquished by sampler	Date 9/17/98	Time 1341	Received by	Company
Relinquished by	Date	Time	Received by	Company
Relinquished by	Date	Time	Received by Laboratory Bill Jow	Date 9/17/98 Time 1348

Please Check One

___Dispose by Lab

___Return To Client

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Appendix F

MATRIX
ANALYTICAL SERVICES, INC.

RECEIVED
OCT 21 1998
A.P.E.E.

October 20, 1998

R. Glenn Stillman
Alaska Petroleum Environmental Engineering
P.O. Box 5365
Garden Grove, CA 92846-0365

Re: Project No. 38148 - Valley View @ Chapman - Garden Grove

Dear Glenn:

Enclosed are analytical results for the water sample analyzed by our laboratory on September 29, 1998, referenced under Matrix Work Order No. **MSEP2998**.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by Matrix, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria unless otherwise stated in the footnotes.

Matrix Analytical Services, Inc. is approved to perform environmental analyses by California's Department of Health Services Environmental Laboratory Accreditation Program (ELAP) under Certification #2008.

Please contact me if you have any questions or if I can be of further assistance.

Sincerely,

Matrix Analytical Services, Inc.

William M. Jow
Laboratory Director
encl.

This cover letter is an integral part of this analytical report.

This report pertains only to the samples investigated. This report is intended for the exclusive use of the client to whom it is addressed. Any reproduction or use of this laboratory's work product for any other purpose without prior authorization from Matrix Analytical Services, Inc. is prohibited.

15617 S. Normandie Ave. Gardena, CA 90247 • Tel: (310) 329-5514 Facsimilie (310) 329-5561

Client: **Alaska Petroleum Environmental Engineering**
Project No.: **38148**
Project Location: **Valley View @ Chapman, Garden Grove**
Work Order Number: **MSEP2998**

ANALYTICAL RESULTS
Purgeable Halocarbons in Groundwater
EPA Methods 601/ 8010[a]

Lab ID Number		Lab Blank	1
Client Identification		-	GROUNDWATER
Date Sampled		-	9/29/98
Date Analyzed		9/29/98	9/29/98
Reporting Limit Multiplier		1	1, 20
Analyte	Reporting Limit,ug/L	Concentration, ug/L (ppb)	
Freon 113	1.0	<1.0	<1.0
Carbon Tetrachloride	0.3	<0.3	<0.3
Chloroethane	0.3	<0.3	<0.3
Chloroform	0.3	<0.3	<0.3
Dichlorodifluoromethane	0.3	<0.3	<0.3
1,1-Dichloroethane (1,1-DCA)	0.3	<0.3	<0.3
1,2-Dichloroethane (1,2-DCA)	0.3	<0.3	<0.3
1,1-Dichloroethylene (1,1-DCE)	0.3	<0.3	**2.9**
trans-1,2-Dichloroethylene	0.3	<0.3	**25**
Dichloromethane (Methylene Chloride)	1.0	<1.0	<1.0
1,1,1,2-Tetrachloroethane	0.3	<0.3	<0.3
1,1,2,2-Tetrachloroethane	0.3	<0.3	<0.3
Tetrachloroethylene (PCE)	0.3	<0.3	**540**
1,1,1-Trichloroethane (111-TCA)	0.3	<0.3	<0.3
1,1,2-Trichloroethane (112-TCA)	0.3	<0.3	<0.3
Trichloroethylene (TCE)	0.3	<0.3	**220**
Trichlorofluoromethane	0.3	<0.3	<0.3
Vinyl chloride	0.3	<0.3	**140**
cis-1,2-Dichloroethylene	0.3	<0.3	**130**
SURROGATE: 4-Bromofluorobenzene[b]		98.5	104

[a] Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, EPA SW-846. Third Edition, Revision 1. US EPA July 1992/Organics in Water, EPA Method601; "Test Procedures for Analysis of Organic Pollutants," Code of Federal Regulations, 40CFR Part 136, Appendix A, July 1 992. [b] Surrogate recovery acceptability limits: 60-140%.

FREON 113 = 1,1,2-Trichloro-1,2,2-Trifluoroethane

Client: **Alaska Petroleum Environmental Engineering**
Project No.: **38148**
Project Location: **Valley View @ Chapman, Garden Grove**
Work Order Number: **MSEP2998**

QA/QC REPORT

Matrix Spike (MS) and Matrix Spike Duplicate (MSD)
Purgeable Halocarbons in Water
EPA Method 601/8010[a]

Sample ID: Water
Date Analyzed: 9/29/98

Units: ug/L

ANALYTE	SAMPLE RESULTS	SPIKE AMOUNT	MS RESULT	MS % RECOVERY	MSD RESULT	RPD	MATRIX PRECISION LIMITS, RPD	MATRIX ACCURACY LIMITS, % RECOVERY (Water)
PCE	<0.3	100	112	112	109	2.7	42	26 - 162
TCE	<0.3	100	111	111	109	1.8	21	48 - 118
1,1-DCE	<0.3	100	96.8	96.8	98.9	2.1	38	28 - 167
trans-1,2-DCE	<0.3	100	109	109	107	1.9	24	54 - 119
1,1,1-TCA	<0.3	100	107	107	107	<0.1	35	41 - 138
1,2-DCA	<0.3	100	94.6	94.6	109	14	27	47 - 132
Chloroform	<0.3	100	112	112	110	1.8	26	49 - 133
Carbon Tet.	<0.3	100	108	108	106	1.9	31	43 - 143

RPD = Relative Percent Difference

(1)

Matrix Analytical Services, Inc.

15617 S. Normandie Ave. Gardena, CA 90247
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Facsimilie: (310) 329-5561

Chain of Custody Record/Analysis Request Form

Page 1 of
Laboratory Work Order No MSEP2998

Project No. 38148	Telephone No. (Consultant) (714) 897-2733
Project Name or Location Valley View @ Chapman Garden Grove -	Fax No. (Consultant) 897-0031
Project Manager (Consultant) R. Glenn Stillman	Invoice To (Client):
Consultant name Alaska Petroleum Env. Engineering.	P.O. No. (Client)
Address (Consultant) PO Box 5365 Garden Grove, CA 92846-0365	Sampler's Printed Name BJW ~~R. Glenn Stillman~~

Special Detection Limits/Reporting/QA QC

Client Sample I.D.	Line No.	Liquid	Solid	Vapor		HCL	HNO3	H2SO4	Ice		Date	Time	40 ml vial	Brass Tube	Glass Jar		BTEX/TPHG EPA 602/8020/M8015/LUFT	BTEX EPA 8020/602	TPH Diesel M8015/CA LUFT	Hydocarbon Screen EPA M8015/CA LUFT	TRPH by IR (CA/LUFT Screening Method)	Halogenated Volatile Organics 601/8010				Remarks
		Matrix				Preservation					Collection		Container				Analyses To Be Performed									
Groundwater	1	X							X		9/29/98	1008	2									X				½ Day mob. lab
	2																									
	3																									
	4																									
	5																									
	6																									
	7																									
	8																									
	9																									
	10																									
	11																									
	12																									
	13																									

Turnaround Time
- X Mobile Lab Same Day
- Priority Overnight
- 24 HR (1 Business Day)
- 48 HR (2 Business Days)
- 72 HR (3 Business Days)

Condition of sample:

Temperature received:

Relinquished by sampler	Date Time	Received by Company	Please Check One
Relinquished by	Date Time	Received by Company	____Dispose by Lab
Relinquished by	Date Time	Received by laboratory Bill Jow Date Time	____Return To Client

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Appendix G

RECEIVED

OCT 27 1998

A.P.E.E.

MATRIX
ANALYTICAL SERVICES, INC.

October 24, 1998

R. Glenn Stillman
Alaska Petroleum Environmental Engineering
P.O. Box 5365
Garden Grove, CA 92846-0365

Re: Project No. 38148W1 - Valley View @ Chapman - Garden Grove

Dear Glenn:

Enclosed are analytical results for samples submitted to our laboratory on October 23, 1998, referenced under Matrix Work Order No. **MOCT2398**.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by Matrix, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria unless otherwise stated in the footnotes.

Matrix Analytical Services, Inc. is approved to perform environmental analyses by California's Department of Health Services Environmental Laboratory Accreditation Program (ELAP) under Certification #2008.

Please contact me if you have any questions or if I can be of further assistance.

Sincerely,

Matrix Analytical Services, Inc.

William M. Jow
Laboratory Director
encl.

This cover letter is an integral part of this analytical report.

This report pertains only to the samples investigated. This report is intended for the exclusive use of the client to whom it is addressed. Any reproduction or use of this laboratory's work product for any other purpose without prior authorization from Matrix Analytical Services, Inc. is prohibited.

15617 S. Normandie Ave. Gardena, CA 90247 • Tel: (310) 329-5514 Facsimilie (310) 329-5561

Client: **Alaska Petroleum Environmental Engineering**
Project No.: **38148W1**
Project Location: **Valley View @ Chapman, Garden Grove**
Work Order Number: **MOCT2398**

ANALYTICAL RESULTS
Purgeable Halocarbons in Groundwater
EPA Methods 601/ 8010[a]

	Lab ID Number	Lab Blank	8
	Client Identification	-	**GW**
	Date Sampled	-	10/23/98
	Date Analyzed	10/23/98	10/23/98
	Reporting Limit Multiplier	1	1
Analyte	Reporting Limit,ug/L		Concentration, ug/L (ppb)
Dichlorodifluoromethane (Freon 12)	0.3	<1.0	**9.4**
Vinyl Chloride	0.3	<0.3	**29**
Chloroethane	0.3	<0.3	<0.3
Trichlorofluoromethane (Freon 11)	0.3	<0.3	<0.3
Freon 113	2.0	<2.0	<2.0
1,1-Dichloroethylene (1,1-DCE)	0.3	<0.3	<0.3
Methylene Chloride	3.0	<3.0	<3.0
trans-1,2-Dichloroethylene	2.0	<2.0	**16**
1,1-Dichloroethane (1,1-DCA)	0.3	<0.3	<0.3
Chloroform	1.0	<1.0	<1.0
cis-1,2-Dichloroethylene	0.3	<0.3	**200**
1,1,1-Trichloroethane (1,1,1-TCA)	0.3	<0.3	<0.3
Carbon Tetrachloride	0.3	<0.3	<0.3
1,2-Dichloroethane (1,2-DCA)	0.3	<0.3	<0.3
Trichloroethylene (TCE)	0.3	<0.3	**140**
1,1,2-Trichloroethane (1,1,2-TCA)	0.3	<0.3	<0.3
Tetrachloroethylene (PCE)	0.3	<0.3	**350**
1,1,1,2-Tetrachloroethane (1,1,1,2-PCA)	0.3	<0.3	<0.3
1,1,2,2-Tetrachloroethane (1,1,2,2-PCA)	0.3	<0.3	<0.3
SURROGATE: 4-Bromofluorobenzene[b]		73.0	100

[a] Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, EPA SW-846. Third Edition, Revision 1. US EPA July 1992/Organics in Water, EPA Method 601; "Test Procedures for Analysis of Organic Pollutants," Code of Federal Regulations, 40CFR Part 136, Appendix A, July 1992. [b] Surrogate recovery acceptability limits: 60-140%.

FREON 113 = 1,1,2-Trichloro-1,2,2-Trifluoroethane

Client: **Alaska Petroleum Environmental Engineering**
Project No.: **38148W1**
Project Location: **Valley View @ Chapman, Garden Grove**
Work Order Number: **MOCT2398**

ANALYTICAL RESULTS
Purgeable Halocarbons in Soil
EPA Method 8010[a]/5030

Lab ID Number		Lab Blank	1	2	3	4
Client Identification		-	**B/C1(2)-5EW**	**C3(2)-7WW**	**B1(2)-2EW**	**C1(2)-2EW**
Date Sampled		-	10/23/98	10/23/98	10/23/98	10/23/98
Date Analyzed		10/23/98	10/23/98	10/23/98	10/23/98	10/23/98
Reporting Limit Multiplier		1	1	1	1	1
Analyte	Reporting Limit,mg/Kg	Concentration, mg/Kg (ppm)				
Dichlorodifluoromethane (Freon 12)	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Vinyl Chloride	0.005	<0.005	**0.055**	<0.005	<0.005	<0.005
Chloroethane	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Trichlorofluoromethane (Freon 11)	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Freon 113	0.010	<0.010	<0.010	<0.010	<0.010	<0.010
1,1-Dichloroethylene (1,1-DCE)	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Methylene Chloride	0.010	<0.010	<0.010	<0.010	<0.010	<0.010
trans-1,2-Dichloroethylene	0.005	<0.005	**0.20**	<0.005	<0.005	<0.005
1,1-Dichloroethane (1,1-DCA)	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroform	0.010	<0.010	<0.005	<0.005	<0.005	<0.005
cis-1,2-Dichloroethylene	0.005	<0.005	**0.61**	<0.005	<0.005	<0.005
1,1,1-Trichloroethane (1,1,1-TCA)	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Carbon Tetrachloride	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichloroethane (1,2-DCA)	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Trichloroethylene (TCE)	0.005	<0.005	**0.008**	<0.005	**0.008**	**0.011**
1,1,2-Trichloroethane (1,1,2-TCA)	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Tetrachloroethylene (PCE)	0.005	<0.005	**0.006**	<0.005	**0.079**	**0.062**
1,1,1,2-Tetrachloroethane (1,1,1,2-PCA)	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,2,2-Tetrachloroethane (1,1,2,2-PCA)	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
SURROGATE: 4-Bromofluorobenzene[b]		73.0	85.9	106	103	135

[a] Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, EPA SW-846. Third Edition, Revision 1. US EPA July 1992/Organics in Water, EPA Method 601; "Test Procedures for Analysis of Organic Pollutants," Code of Federal Regulations, 40CFR Part 136, Appendix A, July 1992. [b] Surrogate recovery acceptability limits: 60-140%.

Freon 113 = 1,1,2-Trichloro-1,2,2-Trifluoroethane

Client: **Alaska Petroleum Environmental Engineering**
Project No.: **38148W1**
Project Location: **Valley View @ Chapman, Garden Grove**
Work Order Number: **MSEP1798**

ANALYTICAL RESULTS
Purgeable Halocarbons in Soil
EPA Method 8010[a]/5030

Lab ID Number		5	6	7	16	17
Client Identification		B1(2)-6F	A1(2)-3.5R	B/C1(3)-5EW	B/C1(4)-5EW	B1(3)-6.5F
Date Sampled		10/23/98	10/23/98	10/23/98	10/23/98	10/23/98
Date Analyzed		10/23/98	10/23/98	10/23/98	10/23/98	10/23/98
Reporting Limit Multiplier		1	1	1	1	1
Analyte	Reporting Limit,mg/Kg	Concentration, mg/Kg (ppm)				
Dichlorodifluoromethane (Freon 12)	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Vinyl Chloride	0.005	**0.009**	<0.005	**0.29**	**0.024**	**1.2**
Chloroethane	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Trichlorofluoromethane (Freon 11)	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Freon 113	0.010	<0.010	<0.010	<0.010	<0.010	<0.010
1,1-Dichloroethylene (1,1-DCE)	0.005	<0.005	<0.005	<0.005	<0.005	**0.006**
Methylene Chloride	0.010	<0.010	<0.010	<0.010	<0.010	<0.010
trans-1,2-Dichloroethylene	0.005	**0.019**	<0.005	**0.40**	<0.005	**0.19**
1,1-Dichloroethane (1,1-DCA)	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroform	0.010	<0.005	<0.005	<0.005	<0.005	<0.005
cis-1,2-Dichloroethylene	0.005	**0.17**	<0.005	**0.72**	<0.005	**1.2**
1,1,1-Trichloroethane (1,1,1-TCA)	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Carbon Tetrachloride	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichloroethane (1,2-DCA)	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Trichloroethylene (TCE)	0.005	**0.24**	<0.005	**0.042**	**0.005**	**1.1**
1,1,2-Trichloroethane (1,1,2-TCA)	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Tetrachloroethylene (PCE)	0.005	**0.28**	**0.006**	**0.21**	**0.037**	**0.85**
1,1,1,2-Tetrachloroethane (1,1,1,2-PCA)	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,2,2-Tetrachloroethane (1,1,2,2-PCA)	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
SURROGATE: 4-Bromofluorobenzene[b]		118	106	75.2	119	108

[a] Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, EPA SW-846. Third Edition, Revision 1. US EPA July 1992/Organics in Water, EPA Method 601; "Test Procedures for Analysis of Organic Pollutants," Code of Federal Regulations, 40CFR Part 136, Appendix A, July 1992. [b] Surrogate recovery acceptability limits: 60-140%.

Freon 113 = 1,1,2-Trichloro-1,2,2-Trifluoroethane

MATRIX ANALYTICAL SERVICES, INC.

Client: **Alaska Petroleum Environmental Engineering**
Project No.: **38148W1**
Project Location: **Valley View @ Chapman, Garden Grove**
Work Order Number: **MSEP1798**

ANALYTICAL RESULTS
Purgeable Halocarbons in Soil
EPA Method 8010[a]/5030

	Lab ID Number	18	9	15	10	11
	Client Identification	**B1(4)-8F**	**PIPE**	**A1-UPIPE-3.5**	**SP12(2)-4**	**SP20(2)-4**
	Date Sampled	10/23/98	10/23/98	10/23/98	10/23/98	10/23/98
	Date Analyzed	10/23/98	10/23/98	10/23/98	10/23/98	10/23/98
	Reporting Limit Multiplier	1	500, 4000	5	1	1
Analyte	Reporting Limit, mg/Kg	Concentration, mg/Kg (ppm)				
Dichlorodifluoromethane (Freon 12)	0.005	<0.005	<2.5	<0.025	<0.005	<0.005
Vinyl Chloride	0.005	**0.085**	<2.5	<0.025	<0.005	<0.005
Chloroethane	0.005	<0.005	<2.5	<0.025	<0.005	<0.005
Trichlorofluoromethane (Freon 11)	0.005	<0.005	<2.5	<0.025	<0.005	<0.005
Freon 113	0.010	<0.010	<5.0	<0.050	<0.010	<0.010
1,1-Dichloroethylene (1,1-DCE)	0.005	<0.005	<2.5	<0.025	<0.005	<0.005
Methylene Chloride	0.010	<0.010	<5.0	<0.050	<0.010	<0.010
trans-1,2-Dichloroethylene	0.005	**0.011**	<2.5	<0.025	<0.005	<0.005
1,1-Dichloroethane (1,1-DCA)	0.005	<0.005	<2.5	<0.025	<0.005	<0.005
Chloroform	0.010	<0.005	<2.5	<0.025	<0.005	<0.005
cis-1,2-Dichloroethylene	0.005	**0.13**	<2.5	<0.025	<0.005	<0.005
1,1,1-Trichloroethane (1,1,1-TCA)	0.005	<0.005	<2.5	<0.025	<0.005	<0.005
Carbon Tetrachloride	0.005	<0.005	<2.5	<0.025	<0.005	<0.005
1,2-Dichloroethane (1,2-DCA)	0.005	<0.005	<2.5	<0.025	<0.005	<0.005
Trichloroethylene (TCE)	0.005	**0.091**	**90**	<0.025	<0.005	<0.005
1,1,2-Trichloroethane (1,1,2-TCA)	0.005	<0.005	<2.5	<0.025	<0.005	<0.005
Tetrachloroethylene (PCE)	0.005	**0.17**	**4,700**	**0.057**	**0.32**	**0.12**
1,1,1,2-Tetrachloroethane (1,1,1,2-PCA)	0.005	<0.005	<2.5	<0.025	<0.005	<0.005
1,1,2,2-Tetrachloroethane (1,1,2,2-PCA)	0.005	<0.005	<2.5	<0.025	<0.005	<0.005
SURROGATE: 4-Bromofluorobenzene[b]		112	115	118	83.6	90.0

[a] Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, EPA SW-846. Third Edition, Revision 1. US EPA July 1992/Organics in Water, EPA Method 601; "Test Procedures for Analysis of Organic Pollutants," Code of Federal Regulations, 40CFR Part 136, Appendix A, July 1992. [b] Surrogate recovery acceptability limits: 60-140%.

Freon 113 = 1,1,2-Trichloro-1,2,2-Trifluoroethane

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Client: **Alaska Petroleum Environmental Engineering**
Project No.: **38148W1**
Project Location: **Valley View @ Chapman, Garden Grove**
Work Order Number: **MSEP1798**

ANALYTICAL RESULTS
Purgeable Halocarbons in Soil
EPA Method 8010[a]/5030

Lab ID Number		12	13	14	19	20
Client Identification		**SP28(2)-4**	**SP4(2)-4**	**SP-PIPE**	**SP12(3)-4**	**SP4-6**
Date Sampled		10/23/98	10/23/98	10/23/98	10/23/98	10/23/98
Date Analyzed		10/23/98	10/23/98	10/23/98	10/23/98	10/23/98
Reporting Limit Multiplier		1	1	1	1	1
Analyte	Reporting Limit,mg/Kg	Concentration, mg/Kg (ppm)				
Dichlorodifluoromethane (Freon 12)	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Vinyl Chloride	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroethane	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Trichlorofluoromethane (Freon 11)	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Freon 113	0.010	<0.010	<0.010	<0.010	<0.010	<0.010
1,1-Dichloroethylene (1,1-DCE)	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Methylene Chloride	0.010	<0.010	<0.010	<0.010	<0.010	<0.010
trans-1,2-Dichloroethylene	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloroethane (1,1-DCA)	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroform	0.010	<0.005	<0.005	<0.005	<0.005	<0.005
cis-1,2-Dichloroethylene	0.005	**0.011**	<0.005	<0.005	<0.005	<0.005
1,1,1-Trichloroethane (1,1,1-TCA)	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Carbon Tetrachloride	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichloroethane (1,2-DCA)	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Trichloroethylene (TCE)	0.005	**0.047**	<0.005	<0.005	<0.005	<0.005
1,1,2-Trichloroethane (1,1,2-TCA)	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Tetrachloroethylene (PCE)	0.005	**3.2**	**0.022**	**0.015**	**0.012**	**0.015**
1,1,1,2-Tetrachloroethane (1,1,1,2-PCA)	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,2,2-Tetrachloroethane (1,1,2,2-PCA)	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
SURROGATE: 4-Bromofluorobenzene[b]		112	102	106	103	119

[a] Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, EPA SW-846. Third Edition, Revision 1. US EPA July 1992/Organics in Water, EPA Method 601; "Test Procedures for Analysis of Organic Pollutants," Code of Federal Regulations, 40CFR Part 136, Appendix A, July 1992. [b] Surrogate recovery acceptability limits: 60-140%.

Freon 113 = 1,1,2-Trichloro-1,2,2-Trifluoroethane

Client: **Alaska Petroleum Environmental Engineering**
Project No.: **38148W1**
Project Location: **Valley View @ Chapman, Garden Grove**
Work Order Number: **MSEP1798**

ANALYTICAL RESULTS
Purgeable Halocarbons in Soil
EPA Method 8010[a]/5030

Lab ID Number		21	22	23
Client Identification		**SP12-6**	**SP20-6**	**SP28-6**
Date Sampled		10/23/98	10/23/98	10/23/98
Date Analyzed		10/23/98	10/23/98	10/23/98
Reporting Limit Multiplier		1	1	1, 10
Analyte	Reporting Limit,mg/Kg	Concentration, mg/Kg (ppm)		
Dichlorodifluoromethane (Freon 12)	0.005	<0.005	<0.005	<0.005
Vinyl Chloride	0.005	<0.005	<0.005	<0.005
Chloroethane	0.005	<0.005	<0.005	<0.005
Trichlorofluoromethane (Freon 11)	0.005	<0.005	<0.005	<0.005
Freon 113	0.010	<0.010	<0.010	<0.10
1,1-Dichloroethylene (1,1-DCE)	0.005	<0.005	<0.005	<0.005
Methylene Chloride	0.010	<0.010	<0.010	<0.10
trans-1,2-Dichloroethylene	0.005	<0.005	<0.005	**0.011**
1,1-Dichloroethane (1,1-DCA)	0.005	<0.005	<0.005	<0.005
Chloroform	0.010	<0.005	<0.005	<0.005
cis-1,2-Dichloroethylene	0.005	<0.005	<0.005	**0.13**
1,1,1-Trichloroethane (1,1,1-TCA)	0.005	<0.005	<0.005	<0.005
Carbon Tetrachloride	0.005	<0.005	<0.005	<0.005
1,2-Dichloroethane (1,2-DCA)	0.005	<0.005	<0.005	<0.005
Trichloroethylene (TCE)	0.005	<0.005	<0.005	**0.43**
1,1,2-Trichloroethane (1,1,2-TCA)	0.005	<0.005	<0.005	<0.005
Tetrachloroethylene (PCE)	0.005	**0.006**	**0.010**	**4.7**
1,1,1,2-Tetrachloroethane (1,1,1,2-PCA)	0.005	<0.005	<0.005	<0.005
1,1,2,2-Tetrachloroethane (1,1,2,2-PCA)	0.005	<0.005	<0.005	<0.005
SURROGATE: 4-Bromofluorobenzene[b]		102	79.9	99.2

[a] Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, EPA SW-846. Third Edition, Revision 1. US EPA July 1992/Organics in Water, EPA Method 601; "Test Procedures for Analysis of Organic Pollutants," Code of Federal Regulations, 40CFR Part 136, Appendix A, July 1992. [b] Surrogate recovery acceptability limits: 60-140%.

Freon 113 = 1,1,2-Trichloro-1,2,2-Trifluoroethane

Client: **Alaska Petroleum Environmental Engineering**
Project No.: **38148W1**
Project Location: **Valley View @ Chapman, Garden Grove**
Work Order Number: **MSEP1798**

QA/QC REPORT
Purgeable Halocarbons
Matrix Spike (MS)/Matrix Spike Duplicate (MSD)
EPA Method 8010/5030 [a]

Units: mg/Kg

Date Analyzed: 10/23/98
Sample Name: **C3(2)-7WW**

ANALYTE	SPK CONC	MS Result	MS % REC	MSD Result	MSD % REC	RPD	ACP RPD	ACP %MS
Carbon Tetrachloride	0.200	0.197	98.5	0.235	118	12	31	43-143
1,1-Dichloroethylene	0.200	0.212	106	0.256	128	13	38	28-167
trans-1,2-Dichloroethylene	0.200	0.202	101	0.239	120	12	35	38-155
Tetrachloroethylene (PCE)	0.200	0.201	101	0.242	121	13	42	25-162
Trichloroethylene (TCE)	0.200	0.207	104	0.245	123	12	35	35-146
1,1,1-Trichloroethane	0.200	0.197	98.5	0.233	117	11	35	41-138
1,1-Dichloroethane	0.200	0.205	103	0.241	121	11	27	47-132
cis-1,2-Dichloroethylene	0.200	0.207	104	0.242	121	11	35	38-155

[a] Adapted fromTest Methods for Evaluating Solid Waste, Physical/Chemical Methods, EPA SW-846. Third Edition, Revision 1. US EPA July 1992/Organics in Water, EPA Method 601; "Test Procedures for Analysis of Organic Pollutants," Code of Federal Regulations, 40CFR Part 136, Appendix A, July 1992.

SPK CONC = Spiked Concentration, %REC = Percent Recovery, RPD = Relative Percent Difference, ACP = Acceptable

Client: **Alaska Petroleum Environmental Engineering**
Project No.: **38148W1**
Project Location: **Valley View @ Chapman, Garden Grove**
Work Order Number: **MOCT2398**

QA/QC REPORT

Matrix Spike (MS) and Matrix Spike Duplicate (MSD)
Purgeable Halocarbons in Water
EPA Method 601/8010[a]

Sample ID: Water
Date Analyzed: 10/23/98

Units: ug/L

ANALYTE	SAMPLE RESULTS	SPIKE AMOUNT	MS RESULT	MS % RECOVERY	MSD RESULT	RPD	MATRIX PRECISION LIMITS, RPD	MATRIX ACCURACY LIMITS, % RECOVERY (Water)
PCE	<0.3	20.0	19.3	96.5	19.8	2.6	42	26 - 162
TCE	<0.3	20.0	19.3	96.5	19.8	2.6	21	48 - 118
1,1-DCE	<0.3	20.0	19.8	99.0	21.0	5.9	38	28 - 167
trans-1,2-DCE	<0.3	20.0	19.6	98.0	20.2	3.0	24	54 - 119
1,1,1-TCA	<0.3	20.0	19.2	96.0	19.7	2.6	35	41 - 138
1,2-DCA	<0.3	20.0	22.0	110	22.7	3.1	27	47 - 132
Chloroform	<0.3	20.0	20.3	102	20.9	2.9	26	49 - 133
Carbon Tet.	<0.3	20.0	19.0	95.0	19.7	3.6	31	43 - 143

RPD = Relative Percent Difference

(1)

Matrix Analytical Services, Inc.
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Facsimilie: (310) 329-5561

Chain of Custody Record/Analysis Request Form

Page 1 of 2

Laboratory Work Order No. MOCT2398

Project No. 38148 W1

Telephone No. (Consultant) (714) 897-2733

Project Name or Location: Valley View @ Chapman Garden Grove.

Fax No. (Consultant) 714 897-0031

Project Manager (Consultant): R. Glenn Stillman

Invoice To (Client): AIEE

Consultant name: Alaska Petroleum Env. Engineering

P.O. No. (Client)

Address (Consultant): PO Box 5365 Garden Grove, CA 92846-0365

Sampler's Printed Name: R Glenn Stillman

Special Detection Limits/Reporting/QA QC

Client Sample I.D.	Line No.	Lab Sample No.	Matrix: Liquid	Matrix: Solid	Matrix: Vapor	Preservation: HCL	Preservation: HNO3	Preservation: H2SO4	Preservation: Ice	Collection: Date	Collection: Time	Container: 40 ml vial	Container: Brass Tube	Container: Glass Jar	BTEX/TPHG EPA 602/8020/M8015/LUFT	BTEX EPA 8020/602	TPH Diesel M8015/CA LUFT	Hydocarbon Screen EPA M8015/CA LUFT	TRPH by IR (CA/LUFT Screening Method)	Halogenated Volatile Organics 601/8010	Remarks
B/C1(2)-5EW	1	1		X					X	10/23/98	0800			X						X	
C3(2)-7WW	2	2		X							0803			X						X	
B1(2)-2EW	3	3		X							0805			X						X	
C1(2)-2EW	4	4		X							0806			X						X	
B1(2)-6F	5	5		X							0810			X						X	
A1(2)-3.5R	6	6		X							0815			X						X	
B/C1(3)-5EW	7	7		X							1050			X						X	
GW	8	8	X								1050	X								X	
PIPE	9	9		X							1055			X						X	
SP12(2)-4	10	10		X							1110			X						X	
SP20(2)-4	11	11		X							1108			X						X	
SP28(2)-4	12	12		X							1110			X						X	
SP4(2)-4	13	13		X							1110			X						X	

Turnaround Time
- X Mobile Lab Same Day
- Priority Overnight
- 24 HR (1 Business Day)
- 48 HR (2 Business Days)
- 72 HR (3 Business Days)

Condition of sample: GOOD

Temperature received: Ambient (field)

Relinquished by sampler	Date	Time	Received by	Company
Relinquished by	Date	Time	Received by	Company
Relinquished by	Date	Time	Received by laboratory: Bill Low	Date 10/23/98 Time

Please Check One
- ___ Dispose by Lab
- ___ Return To Client

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(2)

Matrix Analytical Services, Inc.

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Chain of Custody Record/Analysis Request Form

Page 2 of 2
Laboratory Work Order No. MOCT2398

Project No. 38148W1
Telephone No. (Consultant) 714 897-2733
Project Name or Location: Valley View @ Chapman Garden Grove
Fax No. (Consultant) 897-0031
Project Manager (Consultant): R. Glenn Stillman
Invoice To (Client): APEE
Consultant name: Alaska Petroleum Env. Engineering
P.O. No. (Client)
Address (Consultant): PO Box 5365 Garden Grove, CA 92846-0365
Sampler's Printed Name: R Glenn Stillman
Special Detection Limits/Reporting/QA QC

Client Sample I.D.	Line No.	Lab Sample No	Liquid	Solid	Vapor	HCL	HNO3	H2SO4	Ice	Date	Time	40 ml vial	Brass Tube	Glass Jar	BTEX/TPHG EPA 602/8020/M8015/LUFT	BTEX EPA 8020/602	TPH Diesel M8015/CA LUFT	Hydocarbon Screen EPA M8015/CA LUFT	TRPH by IR (CA/LUFT Screening Method)	Halogenated Volatile Organics 601/8010				Remarks
SP-PIPE	1	14		X					X	10/23/98	1115			X						X				
A1-UPIPE-3.5	2	15		X					X		1120			X						X				
B/C1(4)-5.5W	3	16		X					X		1220			X						X				
B1(3)-6.5F	4	17		X					X		1220			X						X				
B1(4)-8F	5	18		X					X		1355			X						X				
SP12(3)-4	6	19		X					X		1430			X						X				
SP4-6	7	20		X					X		1455			X						X				
SP12-6	8	21		X					X		1455			X						X				
SP20-6	9	22		X					X		1455			X						X				
SP28-6	10	23		X					X		1500			X						X				
	11																							
	12																							
	13																							

EW

Turnaround Time
- X Mobile Lab Same Day
- X Priority Overnight
- 24 HR (1 Business Day)
- 48 HR (2 Business Days)
- 72 HR (3 Business Days)

Condition of sample: Good.
Temperature received: Ambient (field)

Relinquished by sampler	Date	Time	Received by	Company
Relinquished by	Date	Time	Received by	Company
Relinquished by	Date	Time	Received by Laboratory: Bill Jow	Date 10/23/98 Time

Please Check One
___Dispose by Lab
___Return To Client

Distribution: White copy - Laboratory; Canary copy - Invoicing; Pink copy - Consultant

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Appendix H

MATRIX
ANALYTICAL SERVICES, INC.

November 16, 1998

RECEIVED
NOV 18 1998
A.P.E.E.

R. Glenn Stillman
Alaska Petroleum Environmental Engineering
P.O. Box 5365
Garden Grove, CA 92846-0365

Re: Project No. 38148W1 - Valley View @ Chapman - Garden Grove

Dear Glenn:

Enclosed are analytical results for samples submitted to our laboratory on November 12, 1998, referenced under Matrix Work Order No. **NNOV1398**.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by Matrix, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria unless otherwise stated in the footnotes.

Matrix Analytical Services, Inc. is approved to perform environmental analyses by California's Department of Health Services Environmental Laboratory Accreditation Program (ELAP) under Certification #2008.

Please contact me if you have any questions or if I can be of further assistance.

Sincerely,

Matrix Analytical Services, Inc.

William M. Jow
Laboratory Director
encl.

This cover letter is an integral part of this analytical report.

This report pertains only to the samples investigated. This report is intended for the exclusive use of the client to whom it is addressed. Any reproduction or use of this laboratory's work product for any other purpose without prior authorization from Matrix Analytical Services, Inc. is prohibited.

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MATRIX ANALYTICAL SERVICES, INC.

Client: **Alaska Petroleum Environmental Engineering**
Project No.: **38148W1**
Project Location: **Valley View @ Chapman, Garden Grove**
Work Order Number: **NNOV1398**

ANALYTICAL RESULTS
Purgeable Halocarbons in Soil
EPA Method 8010[a]/5030

Lab ID Number		Lab Blank	1	2	3
Client Identification		-	**SP2-4**	**SP10-4**	**SP18-4**
Date Sampled		-	11/12/98	11/12/98	11/12/98
Date Analyzed		11/14/98	11/14/98	11/14/98	11/14/98
Reporting Limit Multiplier		1	1	1	1
Analyte	Reporting Limit,mg/Kg	Concentration, mg/Kg (ppm)			
Dichlorodifluoromethane (Freon 12)	0.005	<0.005	<0.005	<0.005	<0.005
Vinyl Chloride	0.005	<0.005	<0.005	<0.005	<0.005
Chloroethane	0.005	<0.005	<0.005	<0.005	<0.005
Trichlorofluoromethane (Freon 11)	0.005	<0.005	<0.005	<0.005	<0.005
Freon 113	0.010	<0.010	<0.010	<0.010	<0.010
1,1-Dichloroethylene (1,1-DCE)	0.005	<0.005	<0.005	<0.005	<0.005
Methylene Chloride	0.010	<0.010	<0.010	<0.010	<0.010
trans-1,2-Dichloroethylene	0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloroethane (1,1-DCA)	0.005	<0.005	<0.005	<0.005	<0.005
Chloroform	0.005	<0.005	<0.005	<0.005	<0.005
cis-1,2-Dichloroethylene	0.005	<0.005	<0.005	<0.005	<0.005
1,1,1-Trichloroethane (1,1,1-TCA)	0.005	<0.005	<0.005	<0.005	<0.005
Carbon Tetrachloride	0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichloroethane (1,2-DCA)	0.005	<0.005	<0.005	<0.005	<0.005
Trichloroethylene (TCE)	0.005	<0.005	<0.005	<0.005	<0.005
1,1,2-Trichloroethane (1,1,2-TCA)	0.005	<0.005	<0.005	<0.005	<0.005
Tetrachloroethylene (PCE)	0.005	<0.005	<0.005	**0.009**	**0.009**
1,1,1,2-Tetrachloroethane (1,1,1,2-PCA)	0.005	<0.005	<0.005	<0.005	<0.005
1,1,2,2-Tetrachloroethane (1,1,2,2-PCA)	0.005	<0.005	<0.005	<0.005	<0.005
SURROGATE: 4-Bromofluorobenzene[b]		91.8	86.3	79.1	67.7

[a] Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, EPA SW-846. Third Edition, Revision 1. US EPA July 1992/Organics in Water, EPA Method 601; "Test Procedures for Analysis of Organic Pollutants," Code of Federal Regulations, 40CFR Part 136, Appendix A, July 1992. [b] Surrogate recovery acceptability limits: 60-140%.

FREON 113 = 1,1,2-Trichloro-1,2,2-Trifluoroethane

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Client: **Alaska Petroleum Environmental Engineering**
Project No.: **38148W1**
Project Location: **Valley View @ Chapman, Garden Grove**
Work Order Number: **NNOV1398**

ANALYTICAL RESULTS
Purgeable Halocarbons in Soil
EPA Method 8010[a]/5030

SP-24-4 Gd Spl.

Lab ID Number		4	5			
Client Identification		**SP26-4**	**SP28(2)-6**			
Date Sampled		11/12/98	11/12/98			
Date Analyzed		11/14/98	11/14/98			
Reporting Limit Multiplier		1	1			
Analyte	Reporting Limit,mg/Kg	Concentration, mg/Kg (ppm)				
Dichlorodifluoromethane (Freon 12)	0.005	<0.005	<0.005			
Vinyl Chloride	0.005	<0.005	<0.005			
Chloroethane	0.005	<0.005	<0.005			
Trichlorofluoromethane (Freon 11)	0.005	<0.005	<0.005			
Freon 113	0.010	<0.010	<0.010			
1,1-Dichloroethylene (1,1-DCE)	0.005	<0.005	<0.005			
Methylene Chloride	0.010	<0.010	<0.010			
trans-1,2-Dichloroethylene	0.005	<0.005	<0.005			
1,1-Dichloroethane (1,1-DCA)	0.005	<0.005	<0.005			
Chloroform	0.005	<0.005	<0.005			
cis-1,2-Dichloroethylene	0.005	<0.005	<0.005			
1,1,1-Trichloroethane (1,1,1-TCA)	0.005	<0.005	<0.005			
Carbon Tetrachloride	0.005	<0.005	<0.005			
1,2-Dichloroethane (1,2-DCA)	0.005	<0.005	<0.005			
Trichloroethylene (TCE)	0.005	<0.005	<0.005			
1,1,2-Trichloroethane (1,1,2-TCA)	0.005	<0.005	<0.005			
Tetrachloroethylene (PCE)	0.005	**0.012**	**0.005**			
1,1,1,2-Tetrachloroethane (1,1,1,2-PCA)	0.005	<0.005	<0.005			
1,1,2,2-Tetrachloroethane (1,1,2,2-PCA)	0.005	<0.005	<0.005			
SURROGATE: 4-Bromofluorobenzene[b]		72.8	65.3			

[a] Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, EPA SW-846. Third Edition, Revision 1. US EPA July 1992/Organics in Water, EPA Method 601; "Test Procedures for Analysis of Organic Pollutants," Code of Federal Regulations, 40CFR Part 136, Appendix A, July 1992. [b] Surrogate recovery acceptability limits: 60-140%.

Freon 113 = 1,1,2-Trichloro-1,2,2-Trifluoroethane

Client: **Alaska Petroleum Environmental Engineering**
Project No.: **38148W1**
Project Location: **Valley View @ Chapman, Garden Grove**
Work Order Number: **NNOV1398**

QA/QC REPORT
Purgeable Halocarbons
Matrix Spike (MS)/Matrix Spike Duplicate (MSD)
EPA Method 8010/5030 [a]

Units: mg/Kg

Date Analyzed: 11/15/98
Sample Name: **SP2-4**

ANALYTE	SPK CONC	MS Result	MS % REC	MSD Result	MSD % REC	RPD	ACP RPD	ACP %MS
Carbon Tetrachloride	0.200	0.210	105	0.195	97.5	4.9	31	43-143
1,1-Dichloroethylene	0.200	0.176	88.0	0.173	86.5	1.1	38	28-167
trans-1,2-Dichloroethylene	0.200	0.188	94.0	0.188	94.0	0.0	35	38-155
Tetrachloroethylene (PCE)	0.200	0.189	94.5	0.188	94.0	0.4	42	25-162
Trichloroethylene (TCE)	0.200	0.219	110	0.295	148	21	35	35-146
1,1,1-Trichloroethane	0.200	0.211	106	0.194	97.0	5.5	35	41-138
1,1-Dichloroethane	0.200	0.212	106	0.210	105	0.6	27	47-132
cis-1,2-Dichloroethylene	0.200	0.218	109	0.214	107	1.2	35	38-155

Note: MSD % Recovery for TCE exceeded limits; since TCE was not an analyte found in any of the samples, no further action was taken.

[a] Adapted fromTest Methods for Evaluating Solid Waste, Physical/Chemical Methods, EPA SW-846. Third Edition, Revision 1. US EPA July 1992/Organics in Water, EPA Method 601; "Test Procedures for Analysis of Organic Pollutants," Code of Federal Regulations, 40CFR Part 136, Appendix A, July 1992.

SPK CONC = Spiked Concentration, %REC = Percent Recovery, RPD = Relative Percent Difference, ACP = Acceptable

CHAIN OF CUSTODY

NNOV1398

ALASKA PETROLEUM ENVIRONMENTAL ENGINEERING

P.O. BOX 5365
GARDEN GROVE
CALIFORNIA
92846-0365
(714) 897-2733
FAX (714) 897-0031

P.O. BOX 81904
FAIRBANKS
ALASKA 99705
(907) 479-9555

TURNAROUND TIME: fax results when available

P/Q

NNOV1398

PROJECT NUMBER: 3814809

PROJECT NAME: Sparkling Cleaners

SAMPLERS: (SIGNATURE) [signature]

	SAMPLE ID	DATE	TIME	SPECIAL INSTRUCTIONS TO LABORATORY	TYPE: LIQUID/SOLID	TYPE: GLASS/PLASTICS/BRASS/SS	ANALYSIS: FUEL 8015 – M/E	ANALYSIS: PETROLEUM HC 418.1	ANALYSIS: BTXE 8020	ANALYSIS: VOLATILE ORGANICS 624/8240	ANALYSIS: EXTRACTABLE ORGANICS 625/8270	ANALYSIS: CCR METALS TOTAL	OTHER: 8010 (PCE)
1	SP2-4	11/12/98	1110		X	X							X
2	SP10-4		1111										
3	SP18-4		1113										
4	SP26-4		1115										
5	SP28(2)-6		1117										
		11/12/98			X	X							X

Total Number of containers: 5

RELENQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
[signature]	1225 11/12/98	Bill Jones 1350			
RELENQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)

METHOD OF SHIPMENT:	SHIPPED BY: (Signature)	COURIER: (Signature)	RECEIVED FOR LAB BY: (Signature)	DATE/TIME

Appendix I

NO. 05913

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME: Domain Corporation

EPA I.D. NO.:

ADDRESS: 2716 Ocean Park Blvd Suite 3006

PROFILE NO.:

CITY, STATE, ZIP: Santa Monica, CA 90405

PHONE NO.: (310) 396-4514

CONTAINERS: No. 1 VOLUME 1500 GALLONS WEIGHT

TYPE: ☒ TANK TRUCK ☐ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION: GROUND WATER

GENERATING PROCESS

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1.			5.		
2.			6. Invoice to: Alaska Petroleum		
3.			7. Last at DK with same material on 10-23-98		
4.			8.		

PROPERTIES: pH 7 ☐ SOLID ☒ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTRUCTIONS: WEAR APPROPRIATE PROTECTIVE CLOTHING

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

[signature] Designated Agent 12/3/98

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME: NIETO AND SONS TRUCKING, INC./NASI, INC.

EPA I.D. NO.:

ADDRESS: 1281 BREA CANYON ROAD

SERVICE ORDER NO.

CITY, STATE, ZIP: BREA, CALIFORNIA 92621

PICK UP DATE

PHONE NO.: (714) 990-6855

MIKE LUNA [signature] 12-3-98

TRUCK, UNIT, I.D. NO. 350-372

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME: De Menno Kerdoon

EPA I.D. NO.: CAT080013352

DISPOSAL METHOD

ADDRESS: 2000 N. Alameda Street

☐ LANDFILL ☒ OTHER RECYCLER

CITY, STATE, ZIP: Compton, CA 90222

PHONE NO.: 310-537-7100

SOPHAL R EVAY [signature] 12-03-98

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	TONS
TRANS		S B	
C/Q		RT/CD	HWDF NONE

DISCREPANCY

RECEIVED

DEC 15 1998

A.P.E.E.

AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

Alaska Petroleum Envir. Engineering
P.O.Box 5365
12802 Valley View St. #9
Garden Grove, CA 92846-0365

Attn : Glen Stillman
Phone: 714/897-2733

Number of Pages: 2
Date Received : 12/08/98
Date Reported : 12/15/98

ASL Job Number: 4202

Project Name : Sparkling Cleaners
Project Number : 28148W2

Enclosed are the results of analyses on 1 water sample analyzed as specified on attached chain of custody.

Checked By _____

Approved By _____
ROBERT G. ARAGHI
LABORATORY DIRECTOR

AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4202
Project ID: 28148W2
Project Name: Sparkling Cleaners

Report To: (ALASKA)
Alaska Petroleum Envir. Engineering
P.O.Box 5365
12802 Valley View St. #9
Garden Grove, CA 92846-0365

Attn: Glen Stillman

Phone: 714/897-2733

Method:	8010/PCE Halogenated Volatiles	
Matrix:	Water	
Units:	ug/L	
Lab ID:	28777	
Sample No:	GW3	
Date Sampled:	12/03/98	
Date Extracted:	12/11/98	Detection Limit
Date Analyzed:	12/11/98	
Tetrachloroethene	36.5	0.5

Quality Control Report

Lab ID: 28777

Surrogate %REC.	
Bromofluorobenzene	94

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Chlorobenzene	82	83	1.2
1,1 Dichloroethene	95	94	1.1
Trichloroethene	99	100	1

ND - Not Detected at The Detection Limit

Appendix J

CRITERIA FOR DISPOSAL/REUSE OF SOILS ~ IN SANTA ANA REGION

(Revised 4/96)

Petroleum Hydrocarbon (PHC) Contaminated soils may be disposed or reused anywhere in the region if concentrations of individual constituents do not exceed any of the discharge specifications listed below. These numbers are baseline limits. Higher concentrations of these constituents in soil may be acceptable on a case-by-case basis for certain disposal/reuse sites.

COMPOUND	METHOD	CONCENTRATION	
Gasoline	EPA 8015M	50	mg/kg
PHC (Diesel)	EPA 8015M	100	mg/kg
Benzene	EPA 8020	0.010	mg/kg
Toluene	EPA 8020	10	mg/kg
Ethylebenzene	EPA 8020	6.8	mg/kg
Xylene	EPA 8020	17.5	mg/kg
Ethylene dibromide	EPA 8260	0.0002	mg/kg
1,2-Dichloroethane	EPA 8260	0.005	mg/kg
Methyl t-butyl ether (MTBE)	EPA 8260	0.4	mg/kg
Tetrachloroethylene	EPA 8260	0.05	mg/kg
Trichloroethylene	EPA 8260	0.05	mg/kg
1,1,1-Trichloroethane	EPA 8260	2.0	mg/kg
Methylene chloride	EPA 8260	0.05	mg/kg
Vinyl chloride	EPA 8260	0.005	mg/kg

RA\C:\PETRO\SOILCRIT.DOC

Appendix K

California Regional Water Quality Control Board

Santa Ana Region

Peter M. Rooney
Secretary for Environmental Protection

Internet Address: http://www.swrcb.ca.gov
3737 Main Street, Suite 500, Riverside, California 92501-3339
Phone (909) 782-4130 • FAX (909) 781-6288

Pete Wilson
Governor

August 14, 1998

Mr. Victor Sasaki, Trustee
Sasaki Family Partnership
17134 Bullock Street
Encino, CA 91316

REQUEST FOR CLOSURE, EASTGATE CENTER, 11908-11960 VALLEY VIEW STREET, GARDEN GROVE, CALIFORNIA

Dear Mr. Sasaki:

This is in response to the above-named letter report, dated June 10, 1998, submitted by Woodward-Clyde Consultants (WCC) on your behalf. In addition to reviewing this report, Board staff met with Eastgate and WCC representatives on June 4, 1998 to discuss closure of the above-referenced site. The report summarizes the findings from remediation and monitoring activities through May 1998. The recommended approach for closure at the site was to shut down the dual-phase vapor extraction (DVE) and treatment system on July 1, 1998, and conduct quarterly groundwater monitoring of all wells.

Closure rationale was discussed at the June 4 meeting and was addressed in the report. Soil that was significantly impacted by chlorinated volatile organic compounds (VOCs) was excavated, treated and disposed of in February 1997. Following this source removal, the DVE remediation system was operated to remove VOCs that remained in the soil and groundwater. Initial operation began in August. The system operated for only one month, and then was operated continuously from December 30, 1997. The estimated mass of VOCs that was removed from the soil by the DVE through June 1, 1998 is approximately 137 pounds. During this period, influent VOC vapors to the DVE system approached asymptotic levels. VOCs in the groundwater influent to the DVE system have decreased to very low concentrations, and have also reached asymptotic levels. VOCs in the groundwater beneath the site have decreased to concentrations that are near or below maximum contaminant levels (MCLs) for drinking water.

The system was shut-down on July 1, 1998, as proposed in the report. The system was then proposed to be removed and the property to be redeveloped. Quarterly groundwater monitoring was proposed to be conducted for two additional quarters to evaluate residual VOC concentrations in the groundwater. With the inclusion of the July 1st monitoring event, this would yield three sets of groundwater monitoring data from the current wells after shut-down. Following the monitoring, the data would be assessed for rebound effect and to confirm the effectiveness of the cleanup.

The mass and concentrations of VOCs in the soil do not appear to be significant enough to represent a significant threat to groundwater. VOC concentrations in the groundwater appear to have been reduced to levels attainable by best available technology. The mass and concentration of VOCs in the groundwater beneath the site do not appear to represent a threat to the beneficial uses of the Santa Ana Pressure Groundwater Subbasin. Therefore, further soil and groundwater remediation is not necessary. On the condition that the information provided to this agency was accurate and representative of existing conditions at the site, and that post closure groundwater monitoring correlates with existing data, no further action is necessary.

If you have any questions, please call Wm. Dennis Merklin at (909) 782-4434.

Sincerely,

Joanne B. Schmidt

for Gerard J. Thibeault
Executive Officer

cc: Kevin J. Daehnke - Daehnke & Cruz, Costa Mesa
Mark Kelton - Bollenbacker & Kelton, Inc., Santa Monica
Patrick Walsh - Case, Knowlson, Burnett & Wright, Los Angeles
William Musser - Woodward-Clyde Consultants, Santa Ana
Luis Lodrigueza - Orange County Health Care Agency, Santa Ana

WDM:egcclolh.doc

TOM URAM
DIRECTOR

HUGH F. STALLWORTH, M.D.
HEALTH OFFICER

JACK MILLER, REHS
DEPUTY DIRECTOR

MAILING ADDRESS:
2009 EAST EDINGER AVENUE
SANTA ANA, CA 92705-4720

TELEPHONE: (714) 667-3500
FAX: (714) 972-0749

COUNTY OF ORANGE
HEALTH CARE AGENCY

PUBLIC HEALTH
DIVISION OF ENVIRONMENTAL HEALTH

March 23, 1998

Victor Sasaki – Trustee
Sasaki Family Partnership
17134 Bullock Street
Encino, CA 91316

Subject: Case Closure and Referral to Regional Water Quality Control Board

Re: Eastgate Center
11930 Valley View Street
Garden Grove, CA 92645
OCHCA Case # 96IC46

Dear Mr. Sasaki:

This letter confirms the completion of remedial action at the above-referenced site. With the provision that the information provided to this Agency was accurate and representative of existing conditions, it is the position of this office that no further action is required at this time.

This confirmation of completion is limited in scope. It is limited to site conditions made known to this Agency under the above-referenced case number. It is based on an evaluation of the health threat presented by the inhalation, ingestion, or dermal absorption of the residual contaminants. In addition, this evaluation considered the present and proposed use of the property. Changes in the present or proposed land use may require further site characterization and/or site mitigation activity.

The Santa Ana Regional Water Quality Control Board, which has been overseeing groundwater contamination beneath this site, will continue to address groundwater contamination concerns at this location.

Please be advised that this letter does not relieve you of any liability under the California Health and Safety Code or Water Code for past, present or future operations at the site. Nor does it relieve you of the responsibility to clean up existing, additional or previously unidentified conditions at the site which cause or threaten to cause pollution or nuisance or otherwise pose a threat to water quality or public health. It is the property owner's responsibility to notify this Agency of any changes in future contamination findings or site usage.

If you have any questions regarding this matter, please contact Luis Lodrigueza at (714) 667-3717.

Sincerely,

Karen L. Hodel

Karen L. Hodel, R.G.
Program Manager
Hazardous Materials Management Section
Environmental Health Division

KLH:LL:

cc: Wm. Dennis Merklin, Santa Ana Regional Water Quality Control Board
William W. Musser, Woodward-Clyde
William J. Diekmann, O. C. Supervising Hazardous Waste Specialist

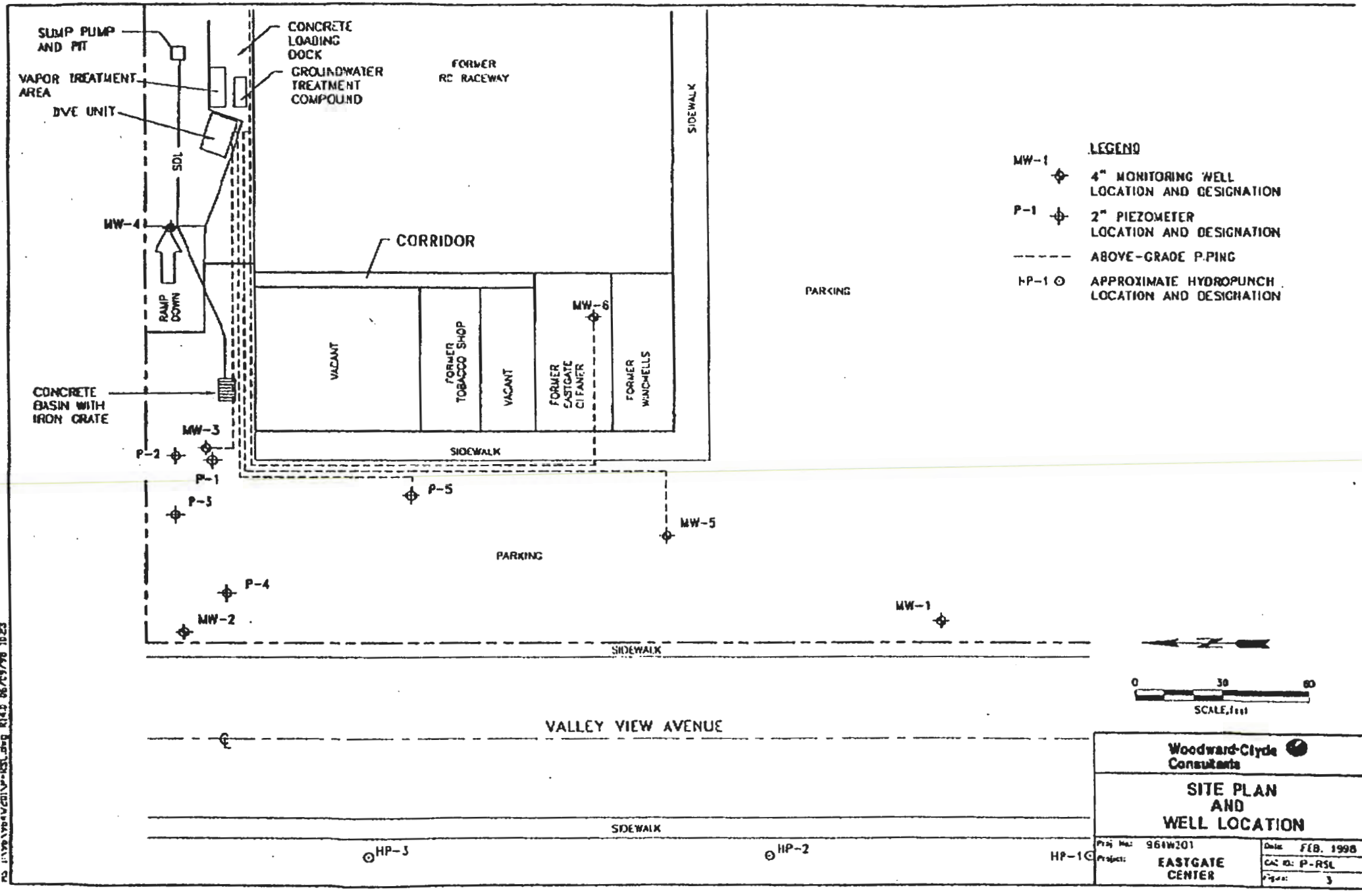
SUMP PUMP AND PIT
VAPOR TREATMENT AREA
DVE UNIT
CONCRETE LOADING DOCK
GROUNDWATER TREATMENT COMPOUND
FORMER RC RACEWAY
SIDEWALK
SDL
MW-4
RAMP DOWN
CORRIDOR
VACANT
FORMER TOBACCO SHOP
VACANT
FORMER EASTGATE CLEANER
FORMER WINCHELLS
MW-6
PARKING
CONCRETE BASIN WITH IRON GRATE
MW-3
P-2
P-1
P-3
P-5
MW-5
PARKING
P-4
MW-2
MW-1
SIDEWALK
VALLEY VIEW AVENUE
SIDEWALK
HP-3
HP-2
HP-1
LEGEND
MW-1 4" MONITORING WELL LOCATION AND DESIGNATION
P-1 2" PIEZOMETER LOCATION AND DESIGNATION
ABOVE-GRADE PIPING
HP-1 APPROXIMATE HYDROPUNCH LOCATION AND DESIGNATION
0 30 60
SCALE, feet
Woodward-Clyde Consultants
SITE PLAN AND WELL LOCATION
Proj No: 96W301
Project: EASTGATE CENTER
Date: FEB. 1998
CAD ID: P-RSL
Figure: 3

TABLE 5-1
GROUNDWATER ANALYTICAL RESULTS FOR GROUNDWATER MONITORING WELL AND HYDROPUNCH SAMPLES
EASTGATE CENTER 11908 - 11960 VALLEY VIEW STREET, GARDEN GROVE, CALIFORNIA

Sample ID[2]	Sample Date	EPA METHOD 8010 (ug/L) [1]								
		PCE [3]	TCE [4]	cis-1,2-DCE[5]	Chloromethane	trans-1,2-DCE[6]	Dichlorodifluoro-methane	Dibromo-chloromethane	Vinyl chloride	1,1-dichloroethene
MW-1	3/21/97	**7**[7]	47	27	ND (<1) [8]	ND	ND (<1)	ND (<1)	ND (<1)	ND (<1)
	7/14/97	3	37	31	7	ND	--[9]	ND (<1)	ND (<1)	2
	10/13/97	7.4	51	30	ND (<0.7)	ND	--	ND (<0.4)	ND (<0.5)	0.95
	1/27/98	4.3	34	23	ND (<0.7)	ND	--	ND (<0.4)	ND (<0.5)	**0.79J**[10]
	4/28/98	1	13	18	ND (<1)	ND (<1)	ND (<1)	ND (<1)	ND (<1)	ND (<1)
MW-2	3/21/97	23	5	ND (<1)	ND (<1)	ND	ND (<1)	ND (<1)	ND (<1)	ND (<1)
	5/28/97	20	4.0	ND (<0.5)	ND (<0.5)	ND	--	ND (<0.5)	ND (0.5)	ND (0.5)
	7/14/97	12	3	ND (<1)	7	ND	--	ND (<1)	ND (<1)	ND (<1)
	10/13/97	19	4.1	ND (<0.5)	ND (<0.7)	ND	--	ND (<0.4)	ND (<0.5)	ND (<0.5)
	1/27/98	12	2.7	ND (<0.5)	ND (<0.7)	ND	--	ND (<0.4)	ND (<0.5)	ND (<0.5)
	4/28/98	3	ND (<1)	ND (<1)	ND (<1)	ND (<1)	ND (<1)	ND (<1)	ND (<1)	ND (<1)
MW-3	3/21/97	90	27	ND (<1)	ND (<1)	ND	ND (<1)	ND (<1)	ND (<1)	ND (<1)
DUP-1[11]	3/21/97	101	30	ND (<1)	ND (<1)	ND	ND (<1)	ND (<1)	ND (<1)	ND (<1)
	5/28/97	660	40	ND (<3)	ND (<3)	ND	--	ND (<3)	ND (<3)	ND (<3)
	7/14/97	470	ND (<20)	ND (<20)	ND (<20)	ND	--	ND (<20)	ND (<20)	ND (<20)
	10/14/97	370	20	ND (<3)	ND (<4)	ND	--	ND (<2)	ND (<3)	ND (<3)
	1/27/98	300	18	2.0J	ND (<2)	ND	--	ND (<1)	ND (<2)	ND (<2)
	2/27/98	42	4	ND (<1)	ND (<1)	ND	ND (<1)	ND (<1)	ND (<1)	ND (<1)
	3/25/98	128	7	ND (<1)	ND (<1)	ND	ND (<1)	ND (<1)	ND (<1)	ND (<1)
	4/28/98	70	3	ND (<1)	ND (<1)	ND (<1)	ND (<1)	ND (<1)	ND (<1)	ND (<1)
	5/27/98	102	8	2	ND (<1)	ND (<1)	ND (<1)	ND (<1)	ND (<1)	ND (<1)
MW-4	3/21/97	ND (<1)	ND (<1)	ND (<1)	ND (<1)	ND	36	ND (<1)	ND (<1)	ND (<1)
	7/14/97	ND (<1)	ND (<1)	ND (<1)	ND (<1)	ND	--	20	ND (<1)	ND (<1)
	10/14/97	ND (<0.5)	ND (<0.4)	ND (<0.5)	ND (<0.7)	ND	--	ND (<0.4)	ND (<0.5)	ND (<0.5)
	1/27/98	ND (<0.5)	ND (<0.4)	ND (<0.5)	ND (<0.7)	ND	--	ND (<0.4)	ND (<0.5)	ND (<0.5)
	4/28/98	ND (<1)	ND (<1)	ND (<1)	ND (<1)	ND (<1)	12	ND (<1)	ND (<1)	ND (<1)
MW-5	7/14/97	40	120	80	ND (<10)	ND	--	ND (<10)	ND (<10)	ND (<10)
	10/14/97	190	140	84	ND (<2)	ND	--	ND (<1)	ND (<2)	ND (<2)
	1/28/98	250	180	120	ND (<2)	ND	--	ND (<1)	ND (<2)	--
	4/29/98	240	160	170	ND(<1)	3	ND (<1)	ND (<1)	2	2
MW-6	7/14/97	1320	80	ND (<20)	ND (<20)	ND	--	ND (<20)	ND (<20)	ND (<20)
	10/14/97	1300	180	270	ND (<7)	ND	--	ND (<4)	8.8	ND (<5)
	1/28/98	670	150	210	ND (<4)	ND	--	ND (<2)	5.3J	--
	2/27/98	64	67	39	ND (<1)	ND	28	ND (<1)	1	ND (<1)
	3/25/98	420	100	180	ND (<1)	3	17	(ND (1)	5	ND (<1)
	4/29/98	410	100	180	ND (<1)	4	18	ND(<1)	4	1
	5/27/98	12	72	113	ND (<1)	2	17	ND(<1)	2	1
P-5	10/14/97	360	83	21	ND (<4)	ND	--	ND (<2)	ND (<3)	ND (<3)
	1/28/98	210	59	14	ND (<2)	ND	--	ND (<1)	ND (<2)	--
	5/20/98	158	25	9	ND (<1)	ND (<1)	ND (<1)	ND (<1)	ND (<1)	ND(<1)
HP-1	6/19/97	ND (<1)	ND (<1)	ND (<1)	ND (<1)	ND	ND (<1)	ND (<1)	ND (<1)	ND (<1)
HP-2	6/19/97	ND (<1)	ND (<1)	ND (<1)	ND (<1)	ND	ND (<1)	ND (<1)	ND (<1)	ND (<1)
HP-3	6/19/97	ND (<1)	ND (<1)	ND (<1)	ND (<1)	ND	ND (<1)	ND (<1)	ND (<1)	ND (<1)

NOTES:

(1) ug/L = micrograms per liter

(2) Groundwater monitoring wells in bold type also serve as dual vapor extraction wells

(3) PCE = Tetrachloroethene

(4) TCE = Trichloroethene

(5) cis-1,2-DCE = cis-1,2-Dichloroethene

(6) trans-1,2-DCE = trans-1,2-Dichloroethene

(7) Bold values indicate concentration detected in sample.

(8) ND = not detected above the detection limit specified in parenthesis

(9) -- = Not Analyzed

(10) J indicates estimated concentration

(11) DUP-1 is a duplicate sample from MW-3

RECEIVED
DEC 28 1998
HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH

ALASKA PETROLEUM
ENVIRONMENTAL
ENGINEERING

FACSIMILE TRANSMITTAL

Date: March 23, 1999 **TIME:** 19:24 PST

To: Luis Lodrigueza -County of Orange, Health Care Agency

c: Wm. Dennis Merklin - Regional Water Quality Water Board - Santa Ana Region
Mark Kelton c/o Domain Corporation

From: R. Glenn Stillman

Project №: 38148W2

This form plus 5 page(s).

Re: Former Sparkling Cleaners
11867 Valley View Street
Garden Grove, CA

Stockpile sampling workplan.

DUPLICATE

Alaska Office
907 • 479-9555
P.O. Box 81904
Fairbanks, Alaska 99708

California Office
714 • 897-2733
P.O. Box 5365
Garden Grove, California 92846

IF YOU HAVE TROUBLE RECEIVING THIS TRANSACTION OR DID NOT RECEIVE THE TOTAL NUMBER OF PAGES LISTED, PLEASE CALL (714) 897-2733 ext. 200.

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ALASKA PETROLEUM
ENVIRONMENTAL
ENGINEERING

March 23, 1999

via facsimile

County of Orange, Health Care Agency
Public Health, Division of Environmental Health
2009 East Edinger Avenue
Santa Ana, CA 92705-4720

Attn: Luis Lodrigueza – Hazardous Waste Specialist
Hazardous Material Management Section

Re: Former Sparkling Cleaners
11867 Valley View Street
Garden Grove, CA

Dear Mr. Lodrigueza:

Pursuant to our conversation this afternoon, the following workplan pertains to the additional stockpile sampling to be conducted at the referent site. Per my voice mail message this afternoon, the sampling is currently scheduled for the morning of March 24, 1999.

Background

The stockpile was generated from the remedial excavation and was placed adjacent to the building. It was expanded to the north of the building as additional soil was removed from the excavation. It is currently approximately 28 feet long and contains about 65 cubic yards of soil. According to our field notes, approximately seven feet of lateral stockpile length roughly corresponds to the additional two feet of soil that was removed from the excavation.

To date, a total of 22 soil samples have been collected from the approximately 65 cubic yards of stockpiled soil. The sample locations are depicted on the previously supplied *Figure 2, Stockpile Sample Locations*. For convenience, another copy is attached on which I have also written the analytical results by each sample location.

To date, the highest concentrations of perchloroethylene (PCE) were detected at the northern end of the stockpile. This soil was generated from the removal of a steel pipe located on the eastern sidewall of the

Alaska Office
907-479-9555
P.O. Box 81904
Fairbanks, Alaska 99708

California Office
714-897-2733
FAX 714-897-0031
P.O. Box 5365
Garden Grove, CA 92846

remedial excavation; short-term, noticeable PCE odors were detected at this time.

A total of eight samples have been collected from the northern end of the stockpile. The analytical results obtained from four of the soil samples were at concentrations ranging from non-detect to 15 parts per billion (ppb) and two samples contained 3,200 and 4,700 ppb of PCE. Subsequently, Luis Lodrigueza – Hazardous Waste Specialist, County of Orange, Health Care Agency (County Health) requested and witnessed the collection of the last two soil samples from this area. The analytical results were both non-detect.

Methodology

Sample Collection

Due to the unconsolidated nature of the stockpile (i.e., uncompacted soil), the sampling depth will be accessed with a rubber-tired backhoe. A narrow width bucket (18 inches) will be used to minimize soil disturbance.

The soil will be monitored for volatile organic compounds (VOCs; PCE, etc.) after the overlying soil is removed. A photoionization detector (PID) will be used to monitor VOCs from the excavated area and/or the soil contained in the backhoe bucket. All VOC measurements will be recorded on an *Alaska Petroleum* Field Log.

Pre-cleaned, two inch diameter by six inch long brass tubes will be used to collect the soil samples. One end of the tube will be covered with a Teflon® sheet and then covered with a snug fitting polyethylene plastic cap. This cap will be sealed with Parafilm® (a non-solvent, waxed-based tape) to retain the original moisture content and any VOCs. A sample will be collected by directly pushing the tube into the soil until it is completely filled. Upon removal it will be similarly sealed and capped as discussed above.

Soil samples collected for chemical analyses will not be extruded from the liners to prevent exposure to the atmosphere. Pending laboratory analysis, each sample will be labeled with a unique identification, placed in a cooler, and sent via courier to a State certified laboratory under chain-of-custody procedures. All samples will be analyzed by USEPA Method 8010.

Sample Locations

Based upon the previous analytical results, it is proposed that five locations be sampled in the stockpile; two depths will sampled at each location, for a total of 10 additional soil samples. The proposed sample locations are depicted on *Figure 2A*.

Sample depths will be consistent with that previously encountered where PCE was detected above the California Regional Water Quality Control Board – Santa Ana Region's (Water Board) soil reuse criteria of 50 ppb. This criterion is contained in the April 1996 Water Board document entitled "Criteria for Disposal/Reuse of Soils in Santa Ana Region.

Closing Remarks

It is my understanding that County Health will verbally approve the site "closure" and subsequently issue a "No Further Action" letter if the analytical results obtained from this round of stockpile testing are at or below the Water Board's soil reuse criteria.

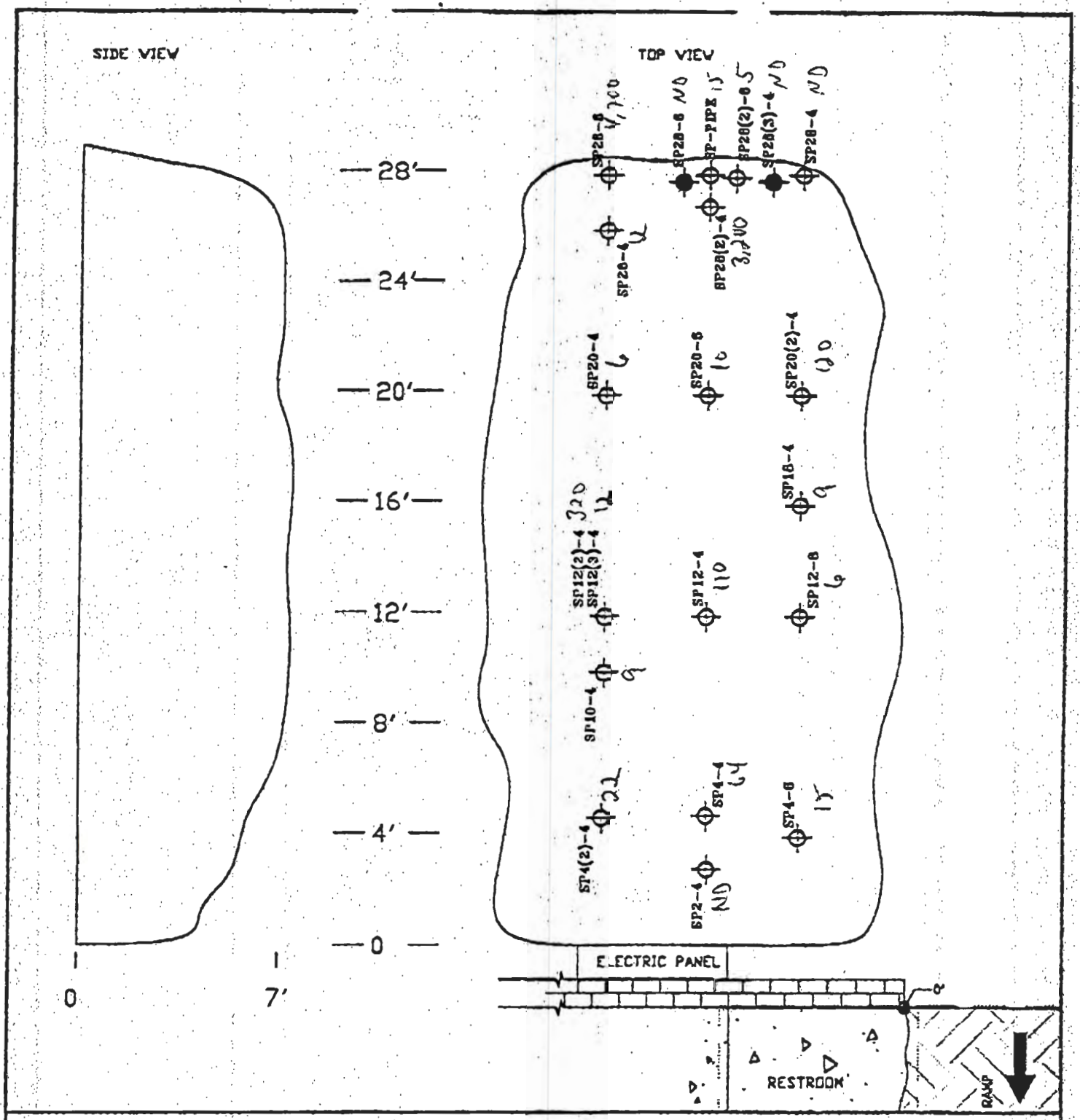
If you have any questions, please do not hesitate to contact me at extension 207. *Alaska Petroleum* appreciates your assistance with this project.

Cordially,

R. Glenn Stillman
Principal Engineer

RGS/slo
attachments

c: Mark Kelton c/o Domain Corporation
Wm. Dennis Merklin - Water Board



LEGEND

COUNTY HEALTH SAMPLE LOCATION

PREVIOUS ALASKA PETROLEUM SAMPLE

SCALE
1 IN = 5 FT
0 5

ND = non-detect
All results are in ppb

DIRT

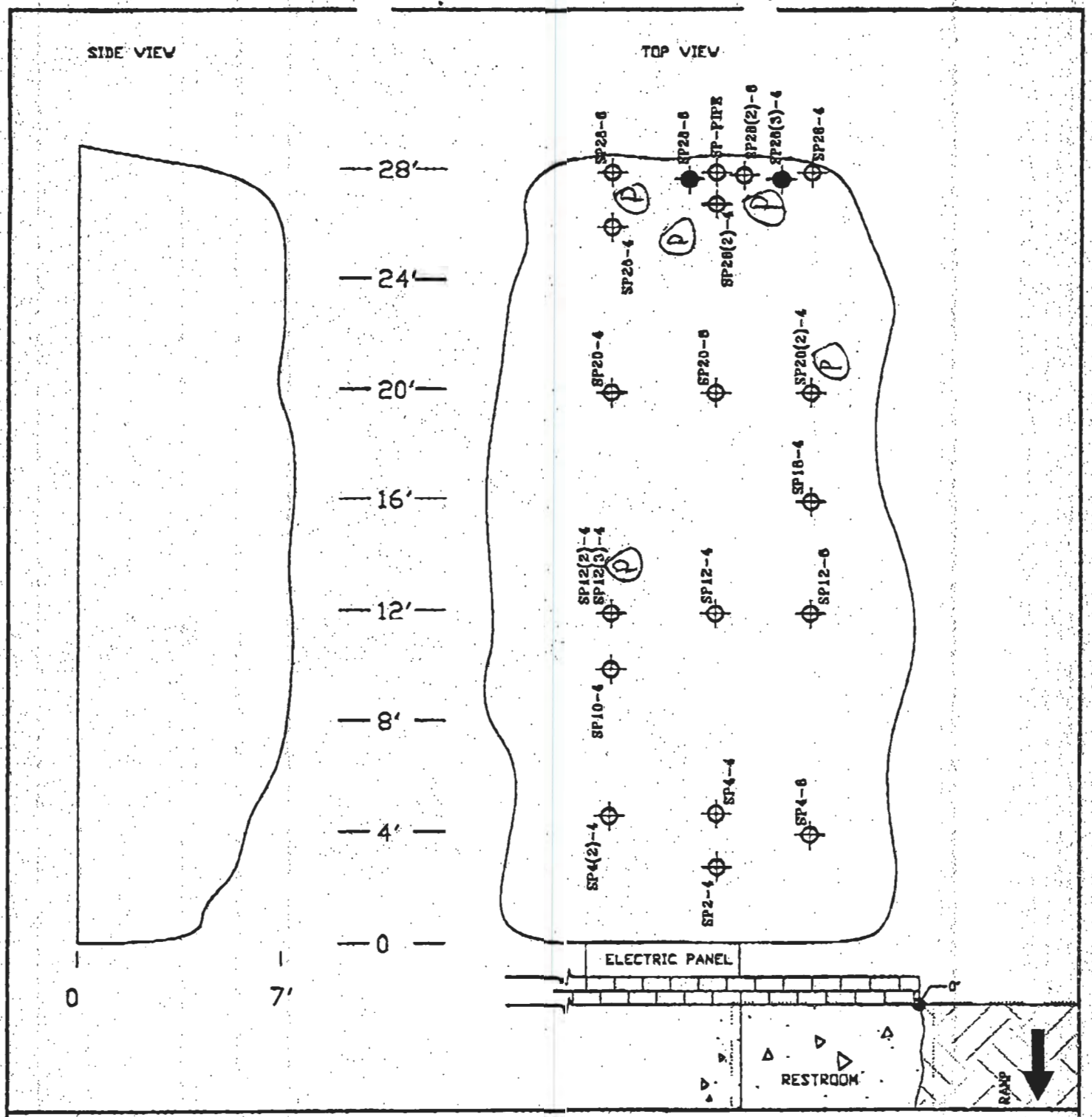
CONCRETE

TITLE:

STOCKPILE SAMPLE LOCATIONS
11867 VALLEY VIEW STREET
GARDEN GROVE, CA

DWN	DES	PROJECT NO
S.R.R.	S.R.R.	38148W1
CHKD	APPD	FIGURE NO
R.G.S.	R.G.S.	2
DATE	REV	

MAR-23-1999 19:38 FROM ALASKA PETRO ENVIRO ENGR TO 99720749 P.05/06



LEGEND

SCALE
1 IN = 5 FT
0 5

COUNTY HEALTH SAMPLE LOCATION

PREVIOUS ALASKA PETROLEUM SAMPLE

(P) = proposed sampling locations

DIRT

CONCRETE

ALASKA PETROLEUM ENVIRONMENTAL SERVICES

TITLE:

STOCKPILE SAMPLE LOCATIONS
11867 VALLEY VIEW STREET
GARDEN GROVE, CA

DWN	DES.	PROJECT NO.
S.R.R.	S.R.R.	38148W1
CHKD	APPD	FIGURE NO.
R.G.S.	R.G.S.	2A
DATE	REV.	
1/99	0	

RECEIVED
MAR 24 1999
HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH

ALASKA PETROLEUM
ENVIRONMENTAL
ENGINEERING

April 2, 1999

County of Orange, Health Care Agency
Public Health, Division of Environmental Health
2009 East Edinger Avenue
Santa Ana, CA 92705-4720

Attn: Luis Lodrigueza – Hazardous Waste Specialist
Hazardous Material Management Section

Re: Former Sparkling Cleaners
11867 Valley View Street
Garden Grove, CA

Dear Mr. Lodrigueza:

Pursuant to your request, presented herewith is a:

(1) description of the stockpile sampling activities you witnessed at the referent facility on March 24th,

(2) site location map,

(3) revised stockpile sample location diagram, which also includes the previous analytical results at each sample location,

(4) copy of the analytical report, and an

(5) estimated calculated volume of perchloroethylene (PCE) impacted soil.

Based upon the analytical results obtained from this and the previous sampling events, on behalf of the Domain Corporation, *Alaska Petroleum Environmental Engineering, Inc.* (*Alaska Petroleum*) is requesting a "No Further Action" letter from the County of Orange, Health Care Agency.

Alaska Office
907•479-9555
P.O. Box 81904
Fairbanks, Alaska 99708

California Office
714•897-2733
FAX 714•897-0031
P.O. Box 5365
Garden Grove, CA 92846

ALASKA PETROLEUM
ENVIRONMENTAL
ENGINEERING

If you have any questions, please do not hesitate to contact me at extension 207. *Alaska Petroleum* appreciates the continued assistance we have received on this project.

Cordially,

R. Glenn Stillman
Principal Engineer

RGS/ssr
attachments

c: Mark Kelton c/o Domain Corporation
Dave Zylastria, Vice President Real Estate - The Vons Company
Kim Huy - Garden Grove Agency for Community Development
Wm. Dennis Merklin - Water Board

Introduction

The work was conducted at 11867 Valley View Street, Garden Grove, Orange County, California (***Figure 1, Site Location***). The Site is the former location of the Sparkling Cleaners. This work was conducted pursuant to the workplan submitted on March 23, 1999. Specifically, the work entailed collecting additional stockpile soil samples. The on-site stockpile measures approximately 28 feet long and contains about 65 cubic yards of soil. As of this report, a total of 36 soil samples have been collected and analyzed from this stockpile.

Technical Approach

Prior to collecting the soil samples, the locations were agreed upon with concurrence from Wm. Dennis Merklin - California Regional Water Quality Control Board - Santa Ana region (Water Board). Sample depths were consistent with that previously encountered where perchloroethylene (PCE) was detected above the Water Board soil reuse criteria of 50 parts per billion (ppb). This criterion is contained in the April 1996 Water Board document entitled "Criteria for Disposal/Reuse of Soils in Santa Ana Region".

A total of 14 soil samples were collected from seven locations (***Figure 2, Revised Stockpile Sample Locations***). Two samples were collected at each location, typically at an estimated depth of four and six feet from the top of the stockpile.

Methodology

Soil Sampling and Laboratory Analysis

Due to the unconsolidated nature of the stockpile (i.e., uncompacted soil), the sampling depth was accessed with a rubber-tired backhoe. A 12 inch wide bucket was used for to remove the overburden and to minimize soil disturbance.

Pre-cleaned, two inch diameter brass tubes were used to collect the soil samples. Prior to sample collection, one end of a tube was covered with a Teflon® sheet and then a snug fitting polyethylene plastic cap. This cap was sealed with Parafilm® (a non-solvent, waxed-based tape) to retain the original moisture content and any volatile organic compounds (VOCs; PCE, etc.).

A sample was collected by directly pushing the tube into the soil until it was completely filled. Upon removal it was similarly sealed and capped as discussed above. An Orange County Health Care Agency (County Health) chain-of-custody seal was attached to each tube.

Pending laboratory analysis, each sample was labeled with a unique identification, placed in a cooler, and sent via courier to a State certified laboratory under chain-of-custody procedures. All samples were analyzed by the United States Environmental Protection Agency Method 8010 (halogenated organics including PCE).

Field Screening

After the overlying soil was removed, the soil was monitored for VOCs with a photoionization detector (PID). All VOC measurements were recorded on a Field Log.

Results

Soil Sampling and Laboratory Analysis

All analytical results were non-detect for Method 8010 at the method detection limit for each individual constituent (i.e., from five to 20 ppb). The original analytical report was forward directly to County Health from the laboratory. A copy of the analytical report is contained in ***Attachment 1.***

Field Screening

All PID readings were non-detect. A copy of the Field Log and instrument calibration sheet is included as ***Attachment*** 2.

Contaminant Volume

The Water Board has requested that a volume estimate of the PCE release. In my professional opinion, the requested calculation is of limited value, is highly speculative, and may present a worst-case scenario. This opinion is based upon the following:

1. The average PCE concentration, depth of the "clean" zone, and soil density were all estimated.

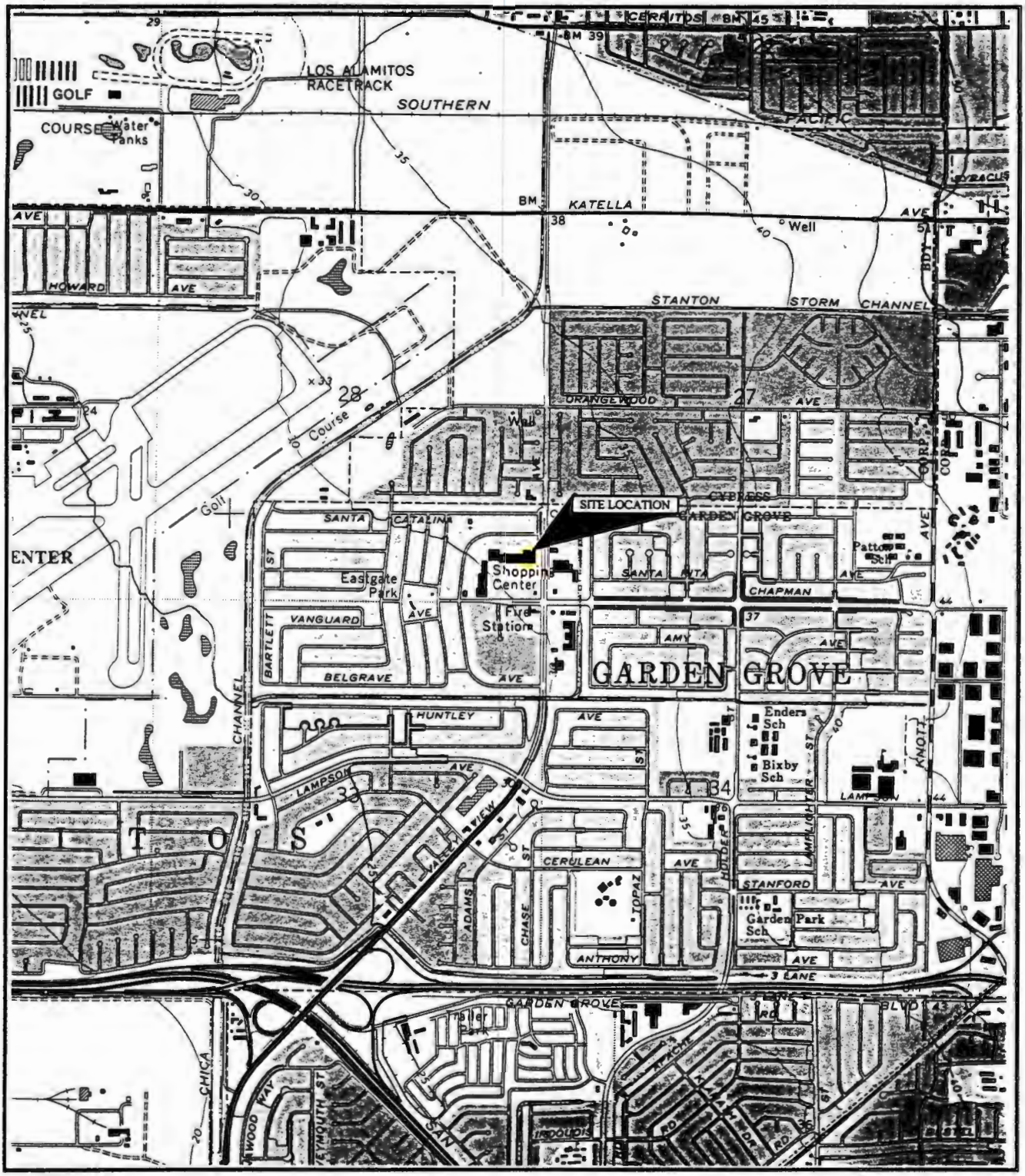
2. There is no correlation between the sampling point depths and the PCE concentration data.

The volumetric calculation is not supported by any additional field data that could have been derived if the site had not been effectively remediated by simple source removal. The "normal" regulatory reporting requirement is the volume of contaminant removed.

Accurate removal volume calculations can only be obtained by an assessment similar to that made at the former dry cleaner located across the street from the Site. That assessment was based upon the amount of PCE removed per a specific calendar basis (e.g., day, week, etc.) of remedial operation. The volume was calculated from the vapor extraction system's blower flow rate and the PCE concentration in the air stream. This was the type of data that Woodward-Clyde Consultants provided (removal of 1.1 pounds per day) in their assessment of this site ["Site Investigation and Remediation Assessment Report, Eastgate Center, 11908-11960 Valley View St., Garden Grove, California", May 1997]. A cumulative reported volume was obtained when the site was deemed "clean" or when the contaminant concentration reached asymptotic levels.

The only means from which a volume calculation for the Site can be made is from the data obtained from the limited soil sampling conducted. The areas sampled were those assumed to be a potential point source of the release (i.e., drum storage location, immediately adjacent to the dry cleaning plant, and along the drainage path from the dry cleaning plant). Samples were collected at two foot depth intervals. A copy of the soil sample location diagram and table of analytical data results is contained in ***Attachment*** *3*. The estimated volume of PCE released is approximately 8.3 pounds or about 0.6 gallons.

Figures



UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY, LOS ALAMITOS QUADRANGLE, 7.5 MINUTE SERIES (TOPOGRAPH), GARDEN GROVE, CALIFORNIA 1964 (PHOTO REVISED 1981)

Approximate Scale 1" = 2000'

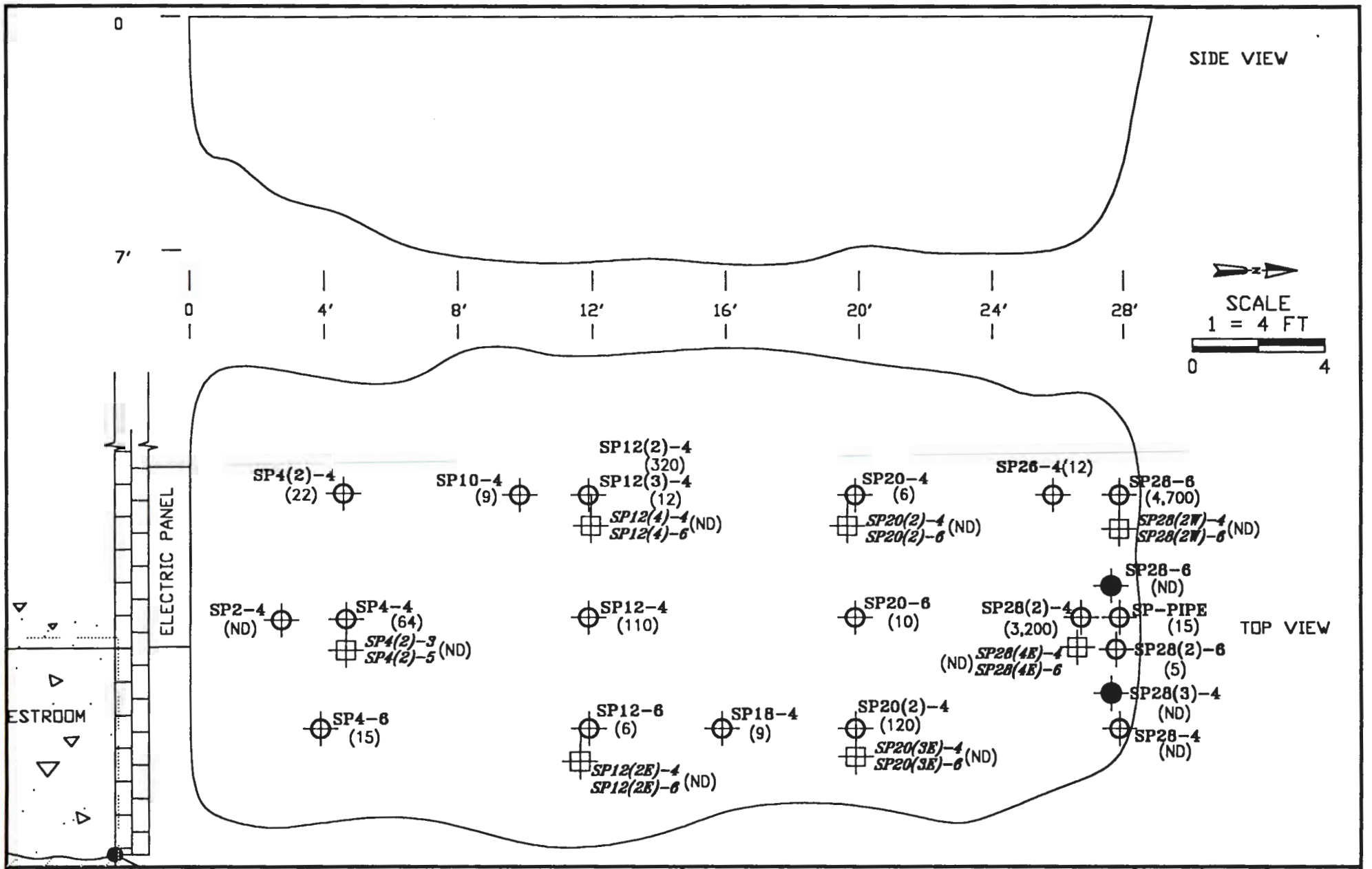
N

ALASKA PETROLEUM ENVIRONMENTAL ENGINEERING
P.O. Box 5365
Garden Grove, CA 92264
(714) 897-2733
P.O. Box 81904
Fairbanks, AK. 99708
(907) 479-9558

TITLE:

SITE LOCATION
FORMER SPARKLING CLEANERS
11867 VALLEY VIEW STREET
GARDEN GROVE, CA

DES.: S.R.R.	PROJECT NO.: 38148W2
APPD.: R.G.S.	FIGURE NO.: 1
DATE: 3/99	



ALASKA PETROLEUM ENVIRONMENTAL ENGINEERING

Alaska Office
P.O. Box 91904
Fairbanks, AK 99705
907-479-0555

California Office
P.O. Box 5385
Garden Grove, CA 92846
714-897-2733
Fax: 714-897-0031

LEGEND:
(ND) = NON-DETECT
(22) = ANALYTICAL RESULTS IN PARTS PER BILLION

CONCRETE | DIRT

SP28-4 COUNTY HEALTH SAMPLE LOCATION

SP4-4 PREVIOUS ALASKA PETROLEUM SAMPLE

SP4(2)-4 MARCH 1999 ALASKA PETROLEUM SAMPLE

TITLE:

REVISED STOCKPILE SAMPLE LOCATION DIAGRAM

11867 VALLEY VIEW STREET
GARDEN GROVE, CA

DWN:	DES.:	PROJECT NO.:
S.R.R.	S.R.R.	38148W2
CHKD:	APPD:	
R.G.S.	R.G.S.	FIGURE NO.:
DATE:	REV.:	2
4/99	0	

Attachment 1

AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

Alaska Petroleum Envir. Engineerin
P.O.Box 5365
12802 Valley View St. #9
Garden Grove, CA 92846-0365

Attn : Glen Stillman
Phone: 714/897-2733

Number of Pages: 9
Date Received : 03/25/99
Date Reported : 04/01/99

ASL Job Number: 4875

Site: Former Sparkling Cleaners
Valley View @ Chapman

Enclosed are the results of analyses on 7 soil samples analyzed as specified on attached chain of custody.

Checked By _____

Approved By _____
ROJERT G. ARAGHI
LABORATORY DIRECTOR

3225 San Fernando Road, Los Angeles, California 90065 • (323) 254-7700, Fax: (323) 254-7799

AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4875 Page: 2

Report To: (ALASKA)
Alaska Petroleum Envir. Engineerin
P.O.Box 5365
12802 Valley View St. #9
Garden Grove, CA 92846-0365

Attn: Glen Stillman

Site:
Former Sparkling Cleaners
Valley View @ Chapman

Phone: 714/897-2733

Method:	(8010) Halogenated Volatiles	
Matrix:	Soil	
Units:	ug/kg	
Lab ID:	32749	
Sample No:	SP4(2)-3'	
Date Sampled:	03/24/99	
Date Extracted:	03/31/99	
Date Analyzed:	03/31/99	

		Detection Limit
Bromobenzene	ND	5
Bromodichloromethane	ND	5
Bromoform	ND	10
Bromomethane	ND	10
Carbon Tetrachloride	ND	5
Chlorobenzene	ND	5
Chloroethane	ND	10
Chloroform	ND	5
Chloromethane	ND	10
Dibromochloromethane	ND	5
Dibromomethane	ND	5
1,2 Dichlorobenzene	ND	5
1,3 Dichlorobenzene	ND	5
1,4 Dichlorobenzene	ND	5
Dichlorodifluoromethane	ND	10
1,1 Dichloroethane	ND	5
1,2 Dichloroethane	ND	5
1,1 Dichloroethene	ND	5
CIS 1,2 Dichloroethene	ND	5
TRNS 1,2 Dichloroethene	ND	5
1,2 Dichloropropane	ND	5
CIS 1,3 Dichloropropene	ND	5
TRNS 1,3 Dichloropropene	ND	5
Methylene Chloride	ND	20
1,1,1,2 Tetrachloroethane	ND	5
1,1,2,2 Tetrachloroethane	ND	5
Tetrachloroethene	ND	5
1,1,1 Trichloroethane	ND	5
1,1,2 Trichloroethane	ND	5
Trichloroethene	ND	5
Trichlorofluoromethane	ND	10
1,2,3 Trichloropropane	ND	5
Vinyl Chloride	ND	10

(Continued)

ND - Not Detected at The Detection Limit

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4875

Quality Control Report

Lab ID: 32749

Surrogate %REC.	
Bromofluorobenzene	114

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Chlorobenzene	87	87	< 1
1,1 Dichloroethene	92	91	1.1
Trichloroethene	101	97	4

ND - Not Detected at The Detection Limit

3225 San Fernando Road, Los Angeles, California 90065 • (323) 254-7700, Fax: (323) 254-7799

AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4875 Page: 4

Report To: (ALASKA)
Alaska Petroleum Envir. Engineerin
P.O.Box 5365
12802 Valley View St. #9
Garden Grove, CA 92846-0365

Attn: Glen Stillman

Site:
Former Sparkling Cleaners
Valley View @ Chapman

Phone: 714/897-2733

Method:	(8010) Halogenated Volatiles	
Matrix:	Soil	
Units:	ug/kg	
Lab ID:	32750	
Sample No:	SP12(4)-4'	
Date Sampled:	03/24/99	
Date Extracted:	03/27/99	
Date Analyzed:	03/27/99	
		Detection Limit
Bromobenzene	ND	5
Bromodichloromethane	ND	5
Bromoform	ND	10
Bromomethane	ND	10
Carbon Tetrachloride	ND	5
Chlorobenzene	ND	5
Chloroethane	ND	10
Chloroform	ND	5
Chloromethane	ND	10
Dibromochloromethane	ND	5
Dibromomethane	ND	5
1,2 Dichlorobenzene	ND	5
1,3 Dichlorobenzene	ND	5
1,4 Dichlorobenzene	ND	5
Dichlorodifluoromethane	ND	10
1,1 Dichloroethane	ND	5
1,2 Dichloroethane	ND	5
1,1 Dichloroethene	ND	5
CIS 1,2 Dichloroethene	ND	5
TRNS 1,2 Dichloroethene	ND	5
1,2 Dichloropropane	ND	5
CIS 1,3 Dichloropropene	ND	5
TRNS 1,3 Dichloropropene	ND	5
Methylene Chloride	ND	20
1,1,1,2 Tetrachloroethane	ND	5
1,1,2,2 Tetrachloroethane	ND	5
Tetrachloroethene	ND	5
1,1,1 Trichloroethane	ND	5
1,1,2 Trichloroethane	ND	5
Trichloroethene	ND	5
Trichlorofluoromethane	ND	10
1,2,3 Trichloropropane	ND	5
Vinyl Chloride	ND	10

(Continued)

ND - Not Detected at The Detection Limit

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4875

Quality Control Report

Lab ID: 32750

Surrogate %REC.	
Bromofluorobenzene	144

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Chlorobenzene	87	93	6.7
1,1 Dichloroethene	74	81	9
Trichloroethene	87	92	5.6

ND - Not Detected at The Detection Limit

3225 San Fernando Road, Los Angeles, California 90065 • (323) 254-7700, Fax: (323) 254-7799

AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4875 **Page:** 6

Report To: (ALASKA)
Alaska Petroleum Envir. Engineerin
P.O.Box 5365
12802 Valley View St. #9
Garden Grove, CA 92846-0365

Attn: Glen Stillman

Site:
Former Sparkling Cleaners
Valley View @ Chapman

Phone: 714/897-2733

Method:	(8010) Halogenated Volatiles		
Matrix:	Soil		
Units:	ug/kg		
Lab ID:	32751	32752	
Sample No:	SP20(2)-4'	SP12(2E)-4'	
Date Sampled:	03/24/99	03/24/99	
Date Extracted:	03/27/99	03/27/99	
Date Analyzed:	03/27/99	03/27/99	
			Detection Limit
Bromobenzene	ND	ND	5
Bromodichloromethane	ND	ND	5
Bromoform	ND	ND	10
Bromomethane	ND	ND	10
Carbon Tetrachloride	ND	ND	5
Chlorobenzene	ND	ND	5
Chloroethane	ND	ND	10
Chloroform	ND	ND	5
Chloromethane	ND	ND	10
Dibromochloromethane	ND	ND	5
Dibromomethane	ND	ND	5
1,2 Dichlorobenzene	ND	ND	5
1,3 Dichlorobenzene	ND	ND	5
1,4 Dichlorobenzene	ND	ND	5
Dichlorodifluoromethane	ND	ND	10
1,1 Dichloroethane	ND	ND	5
1,2 Dichloroethane	ND	ND	5
1,1 Dichloroethene	ND	ND	5
CIS 1,2 Dichloroethene	ND	ND	5
TRNS 1,2 Dichloroethene	ND	ND	5
1,2 Dichloropropane	ND	ND	5
CIS 1,3 Dichloropropene	ND	ND	5
TRNS 1,3 Dichloropropene	ND	ND	5
Methylene Chloride	ND	ND	20
1,1,1,2 Tetrachloroethane	ND	ND	5
1,1,2,2 Tetrachloroethane	ND	ND	5
Tetrachloroethene	ND	ND	5
1,1,1 Trichloroethane	ND	ND	5
1,1,2 Trichloroethane	ND	ND	5
Trichloroethene	ND	ND	5
Trichlorofluoromethane	ND	ND	10
1,2,3 Trichloropropane	ND	ND	5
Vinyl Chloride	ND	ND	10

(Continued)

ND - Not Detected at The Detection Limit

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4875 **Page:** 7

Quality Control Report

Lab ID:	32751	32752
Surrogate %REC.		
Bromofluorobenzene	114	115

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Chlorobenzene	87	87	< 1
1,1 Dichloroethene	92	91	1.1
Trichloroethene	101	97	4

ND - Not Detected at The Detection Limit

3225 San Fernando Road, Los Angeles, California 90065 • (323) 254-7700, Fax: (323) 254-7799

AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4875 **Page:** 8

Report To: (ALASKA)
Alaska Petroleum Envir. Engineerin
P.O.Box 5365
12802 Valley View St. #9
Garden Grove, CA 92846-0365

Site:
Former Sparkling Cleaners
Valley View @ Chapman

Attn: Glen Stillman **Phone:** 714/897-2733

Method: (8010)
Matrix: Halogenated Volatiles
Units: Soil
ug/kg

Lab ID:	32753	32754	32755	
Sample No:	SP20(3E)-4'	SP28(2W)-4'	SP28(4E)-4'	
Date Sampled:	03/24/99	03/24/99	03/24/99	
Date Extracted:	03/29/99	03/29/99	03/29/99	Detection
Date Analyzed:	03/29/99	03/29/99	03/29/99	Limit
Bromobenzene	ND	ND	ND	5
Bromodichloromethane	ND	ND	ND	5
Bromoform	ND	ND	ND	10
Bromomethane	ND	ND	ND	10
Carbon Tetrachloride	ND	ND	ND	5
Chlorobenzene	ND	ND	ND	5
Chloroethane	ND	ND	ND	10
Chloroform	ND	ND	ND	5
Chloromethane	ND	ND	ND	10
Dibromochloromethane	ND	ND	ND	5
Dibromomethane	ND	ND	ND	5
1,2 Dichlorobenzene	ND	ND	ND	5
1,3 Dichlorobenzene	ND	ND	ND	5
1,4 Dichlorobenzene	ND	ND	ND	5
Dichlorodifluoromethane	ND	ND	ND	10
1,1 Dichloroethane	ND	ND	ND	5
1,2 Dichloroethane	ND	ND	ND	5
1,1 Dichloroethene	ND	ND	ND	5
CIS 1,2 Dichloroethene	ND	ND	ND	5
TRNS 1,2 Dichloroethene	ND	ND	ND	5
1,2 Dichloropropane	ND	ND	ND	5
CIS 1,3 Dichloropropene	ND	ND	ND	5
TRNS 1,3 Dichloropropene	ND	ND	ND	5
Methylene Chloride	ND	ND	ND	20
1,1,1,2 Tetrachloroethane	ND	ND	ND	5
1,1,2,2 Tetrachloroethane	ND	ND	ND	5
Tetrachloroethene	ND	ND	ND	5
1,1,1 Trichloroethane	ND	ND	ND	5
1,1,2 Trichloroethane	ND	ND	ND	5
Trichloroethene	ND	ND	ND	5
Trichlorofluoromethane	ND	ND	ND	10
1,2,3 Trichloropropane	ND	ND	ND	5
Vinyl Chloride	ND	ND	ND	10

(Continued)

ND - Not Detected at The Detection Limit

3225 San Fernando Road, Los Angeles, California 90065 • (323) 254-7700, Fax: (323) 254-7799

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4875 **Page:** 9

Quality Control Report

Lab ID:	32753	32754	32755
Surrogate %REC.			
Bromofluorobenzene	89	104	99

	Spike %REC.	**Spike DUP. %REC.**	**AVG. RPD**
Chlorobenzene	110	111	< 1
1,1 Dichloroethene	80	80	< 1
Trichloroethene	101	102	1

ND - Not Detected at The Detection Limit

3225 Sun Fernando Road, Los Angeles, California 90065 • (323) 254-7700, Fax: (323) 254-7799

3814BWL

CHAIN OF CUSTODY

Orange County Health Care Agency
Environmental Health Division
2009 E. Edinger Ave., Santa Ana, CA 92705
Telephone: (714) 667-3700

1. **ALL SAMPLES ARE TO BE HANDLED AS COURT EVIDENCE, AND ARE TO BE PROPERLY STORED IN A SECURE LOCATION.**

2. **PLEASE WRITE LEGIBLY.**

3. **ATTACH THIS FORM TO THE ORIGINAL REPORT OF THE ANALYTICAL RESULTS AND RETURN THEM TO THIS OFFICE. LABORATORY RESULTS RECEIVED WITHOUT PROPER CHAIN OF CUSTODY DOCUMENTATION WILL NOT BE ACCEPTED.**

4. **TO BE COMPLETED BY LABORATORY ANALYST**

LAB NO.: _____

DATE RECEIVED: _____

SAMPLE(S) CONDITION (PLEASE CHECK):

CHILLED: _____ **COUNTY SEAL(S) INTACT:** _____

CONTAINER IN GOOD CONDITION: _____

DATE ANALYSIS COMPLETED: _____

ANALYST: _____

5. **TO BE COMPLETED BY SAMPLE COLLECTOR**

SITE NAME/ADDRESS: Tom Sparkling Cleaners Valley View St @ Chapman, G.G. 99IC01

DATE OF COLLECTION: 3-24-99

SAMPLE COLLECTOR/COMPANY: Alaska Petroleum Glenn Stillman

TELEPHONE NO.: (714) 897-2733

HCA REPRESENTATIVE: Luis Lodriguezza

6.

SAMPLE NUMBER	DETERMINATION REQUESTED	SAMPLE DESCRIPTION/COMMENTS	TIME OF COLLECTION
SP4(2)-3	SP4(2)-5'	EPA method 8010 (chlo. HC) for all samples	1:30/1:32
SP12(4)-4'	SP12(4)-6'	Streambed Soil	1:34/1:43
SP20(2)-4'	SP20(2)-6'		1:50/1:43
SP12(3E)-4'	SP12(3E)-6'		2:03/2:05
SP20(3E)-4'	SP20(3E)-6'		2:30/2:30
SP28(3W)-4'	SP28(3W)-6'		2:46
SP28(4E)4'	SP28(4E)-6'		2:

7. **CHAIN OF CUSTODY**

	SIGNATURE	COMPANY/AGENCY	INCLUSIVE DATES/TIMES
1.	[illegible]	HA - EHD	3-24-99 . 2:52
2.	[illegible]	Alaska Petroleum Env Eng	3/24/99 . 3/24/99 [illegible]
3.	[illegible]	A L	3-25-99 . 1:50
4.			.
5.			.
6.			.

WHITE-RETURN THIS COPY TO ENVIRONMENTAL HEALTH, CANARY-LABORATORY COPY
PINK-CONTRACTOR/CONSULTANT COPY, GOLDENROD-OFFICE COPY

F272-9.1531.1(R8/89) CRS

Attachment 2

ALASKA PETROLEUM
ENVIRONMENTAL
ENGINEERING

AIR MONITORING LOG

Date: 3/24/99	Initials: RGI
Project: Former Sparkling Cleaners	Job #: 38148WL
Site/Location: Golden Grove, CA	Elevation/Pressure: /
Temperature: 68°F Weather: Clear, slt breeze	

Location	O_2	H_2S	CO_2	LEL	PID/FID	TIME	Comments
~~SP~~ SP4(L)-3					0	1330	
SP4(L)-5					0	1331	
SP(L)4-4					0	1339	
SP(L)4-6					0	1342	
SP20(L)-4					0	1343	
SP20(L)-6					0	1344	
SP12(2E)-4					0	1401	
SP12(2E)-6					0	1405	went to get more tube caps
SP20(3E)-4					0	1409	lost on way to site
SP20(3E-6					0	1430	
SP28(2W-)-4					0	1446	
SP28(2W)-6					0	1447	
SP28(4E)-4					0	1452	
SP28(4E)-6					0	1453	

Comments:

d:\forms\airmonit.log

Calibration Data Sheet

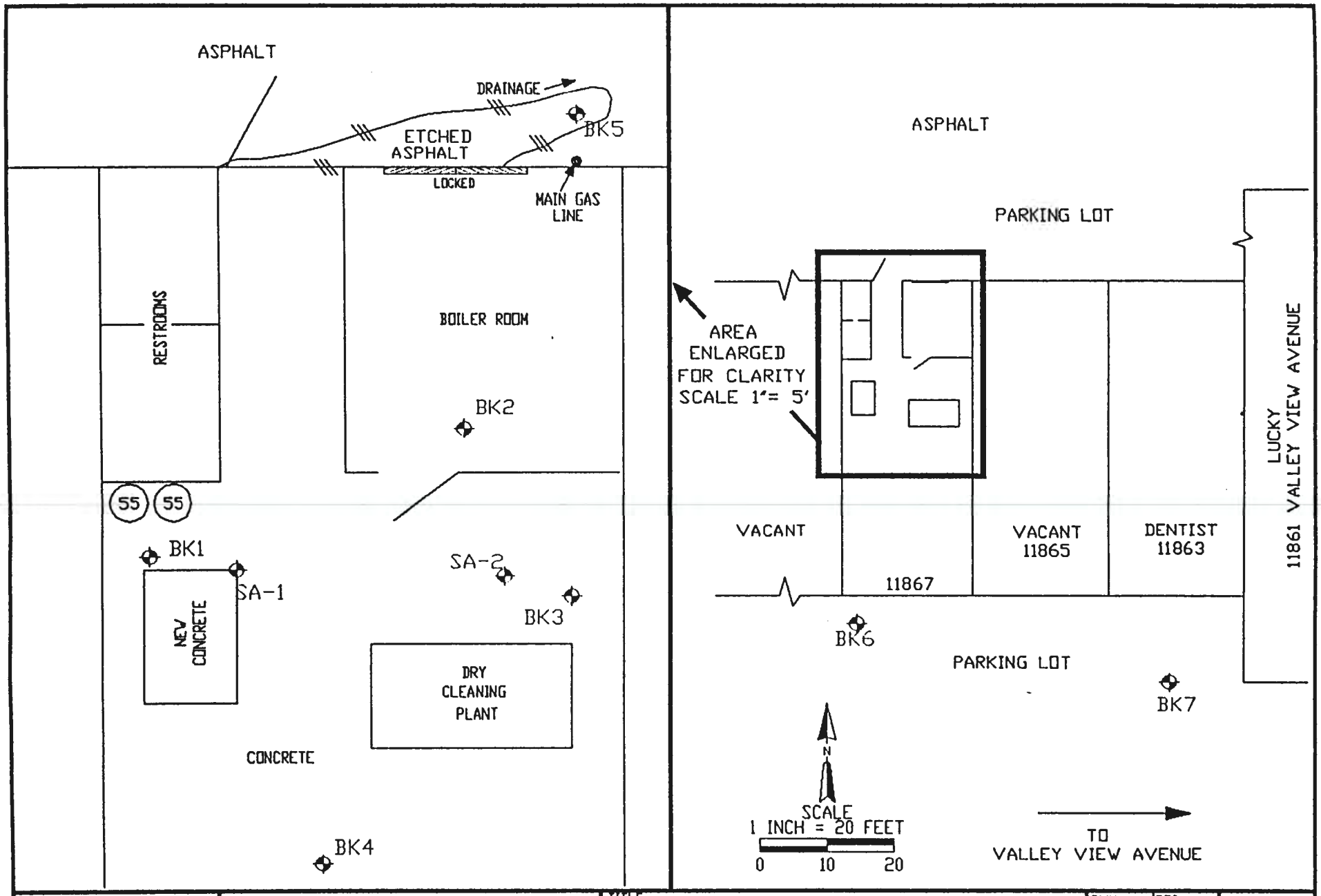
Project No. 3814PW2

Date: 3/24/94

Unit	Serial #	Time	Zero Gas ppm	25ppm H_2S	50 ppm Hexane	500 ppm Hexane	95 ppm Methane	9500 ppm Methane	25% LEL Pentane	Battery Check	H_2 PSI	Comments	Initial
OVA													
PID	✓	1255	✓		✓					✓		o/c	LG
RAD													
LEL													
CO													
H_2S													
O_2													

d:\forms\calibra.dat

Attachment 3



ALASKA PETROLEUM ENVIRONMENTAL ENGINEERING
Alaska Office
P.O. Box 61904
Fairbanks, AK 99706
907-479-5335
California Office
P.O. Box 14768
Long Beach, CA 90803
310-433-8144
Fax: 310-433-6868

LEGEND:
BOOGAY SAMPLE LOCATION — SA-X
ALASKA PETROLEUM SAMPLE LOCATION — BKX
IDENTIFICATION
CHANGE OF SURFACE MATERIAL
55 GALLON WASTE DRUM
STEEL DOOR

TITLE:
SITE DIAGRAM
SOIL BORING LOCATIONS
DOMAIN CORPORATION
VALLEY VIEW & CHAPMAN AVENUES
GARDEN GROVE, CA

DWN:	DES.:	PROJECT NO.:
S.R.R.	S.R.R.	701142
CHKD:	APPD:	FIGURE NO.:
R.G.S.	R.G.S.	2
DATE:	REV.:	
4/97	1	

Constituent[1] → Sample ID[2] ↓	vinyl chloride	trans-1,2-DCE	cis-1,2-DCE	TCE	PCE
BK1-2	<5	<3	18	7.7	210
BK1-4	5.3	<3	<3	<3	<5
BK2-2	68	21	400	<3	7.7
BK2-4	25	3.3	160	32	450
BK2-6	21	<3	<3	<3	<5
BK3-2	125 [3]	360	750	4,600	17,000
BK3-4	85	210	1,100	1,700	73
BK3-6	490 / 315 [4]	120	1,500	2,200	1,300
BK3-10	32	<6	110	<6	<10
BK4-2	<5	<3	<3	4.5	8.7
BK4-4	<5	<3	<3	<3	<5
BK5-2	<5	19	91	<6	<10
BK6-5	NA [5]	NA	NA	NA	NA
BK7-5	NA	NA	NA	NA	NA

[1] The first four chemical compounds are "daughter" or degradation products of PCE.
[2] "BK1-2" = Bollenbacher & Kelton, boring #1 sampled at a depth of two feet BGS.
[3] The elevated detection limit is due to the PCE contamination.
[4] The initial vinyl chloride concentration measured by the on-Site mobil laboratory was > 1,200 ppb; this sample was subsequently re-analyzed by the mobile lab and sent to another laboratory for confirmation analysis.
[5] "NA" = Sample was not requested to be analyzed (refer to Section 4.2).

6.0 Technical Evaluation

6.1 *Soil Cleanup Screening Levels*

Based upon the remedial information supplied by County Health, there is the potential that up to 20,000 ppb of PCE may be left in place. This can not be determined until County Health is requested to conduct the modeling. Although no soil samples were analyzed within the upper one foot, the USEPA - Region 9 criteria of 17,000 ppb should be validated.

RECEIVED
APR 09 1999
ENVIRONMENTAL HEALTH

ALASKA PETROLEUM
ENVIRONMENTAL
ENGINEERING

FACSIMILE TRANSMITTAL

Date: April 7, 1999 **TIME:** 9:44 PST

To: Luis Lodrigueza – Hazardous Waste Specialist
Hazardous Material management Section

From: Sallye per R. Glenn Stillman

Project №: 38148W2

This form plus 25 **page(s).**

Re: STOCKPILE SAMPLING LETTER
Former Sparkling Cleaners
11867 Valley View Street
Garden Grove, CA

Alaska Office
907 • 479-9555
P.O. Box 81904
Fairbanks, Alaska 99708

California Office
Fax 714 • 897-0031
P.O. Box 5365
Garden Grove, CA 92845

IF YOU HAVE TROUBLE RECEIVING THIS TRANSACTION OR DID NOT RECEIVE THE TOTAL NUMBER OF PAGES LISTED, PLEASE CALL (714) 897-2733 ext. 200.

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ALASKA PETROLEUM
ENVIRONMENTAL
ENGINEERING

April 2, 1999

County of Orange, Health Care Agency
Public Health, Division of Environmental Health
2009 East Edinger Avenue
Santa Ana, CA 92705-4720

Attn: Luis Lodrigueza - Hazardous Waste Specialist
Hazardous Material Management Section

Re: Former Sparkling Cleaners
11867 Valley View Street
Garden Grove, CA

Dear Mr. Lodrigueza:

Pursuant to your request, presented herewith is a:

(1) description of the stockpile sampling activities you witnessed at the referent facility on March 24th,

(2) site location map,

(3) revised stockpile sample location diagram, which also includes the previous analytical results at each sample location,

(4) copy of the analytical report, and an

(5) estimated calculated volume of perchloroethylene (PCE) impacted soil.

Based upon the analytical results obtained from this and the previous sampling events, on behalf of the Domain Corporation, *Alaska Petroleum Environmental Engineering, Inc.* (*Alaska Petroleum*) is requesting a "No Further Action" letter from the County of Orange, Health Care Agency.

Alaska Office
907-479-9555
P.O. Box 81904
Fairbanks, Alaska 99708

California Office
714-897-2733
FAX 714-897-0031
P.O. Box 5365
Garden Grove, CA 92846

ALASKA PETROLEUM
ENVIRONMENTAL
ENGINEERING

If you have any questions, please do not hesitate to contact me at extension 207. *Alaska Petroleum* appreciates the continued assistance we have received on this project.

Cordially,

R. Glenn Stillman
Principal Engineer

RGS/ssr
attachments

c: Mark Kelton c/o Domain Corporation
Dave Zylastria, Vice President Real Estate - The Vons Company
Kim Huy - Garden Grove Agency for Community Development
Wm. Dennis Merklin - Water Board

APR-07-1999 09:47 FROM ALASKA PETRO ENVIRO ENGR TO 95685116 P.03/26

Introduction

The work was conducted at 11867 Valley View Street, Garden Grove, Orange County, California (*Figure 1, Site Location*). The Site is the former location of the Sparkling Cleaners. This work was conducted pursuant to the workplan submitted on March 23, 1999. Specifically, the work entailed collecting additional stockpile soil samples. The on-site stockpile measures approximately 28 feet long and contains about 65 cubic yards of soil. As of this report, a total of 36 soil samples have been collected and analyzed from this stockpile.

Technical Approach

Prior to collecting the soil samples, the locations were agreed upon with concurrence from Wm. Dennis Merklin - California Regional Water Quality Control Board - Santa Ana region (Water Board). Sample depths were consistent with that previously encountered where perchloroethylene (PCE) was detected above the Water Board soil reuse criteria of 50 parts per billion (ppb). This criterion is contained in the April 1996 Water Board document entitled "Criteria for Disposal/Reuse of Soils in Santa Ana Region".

A total of 14 soil samples were collected from seven locations (*Figure 2, Revised Stockpile Sample Locations*). Two samples were collected at each location, typically at an estimated depth of four and six feet from the top of the stockpile.

Methodology

Soil Sampling and Laboratory Analysis

Due to the unconsolidated nature of the stockpile (i.e., uncompacted soil), the sampling depth was accessed with a rubber-tired backhoe. A 12 inch wide bucket was used for to remove the overburden and to minimize soil disturbance.

Pre-cleaned, two inch diameter brass tubes were used to collect the soil samples. Prior to sample collection, one end of a tube was covered with a Teflon® sheet and then a snug fitting polyethylene plastic cap. This cap was sealed with Parafilm® (a non-solvent, waxed-based tape) to retain the original moisture content and any volatile organic compounds (VOCs; PCE, etc.).

APR-07-1999 09:48 FROM ALASKA PETRO ENVIRO ENGR TO 95685116 P.04/26

A sample was collected by directly pushing the tube into the soil until it was completely filled. Upon removal it was similarly sealed and capped as discussed above. An Orange County Health Care Agency (County Health) chain-of-custody seal was attached to each tube.

Pending laboratory analysis, each sample was labeled with a unique identification, placed in a cooler, and sent via courier to a State certified laboratory under chain-of-custody procedures. All samples were analyzed by the United States Environmental Protection Agency Method 8010 (halogenated organics including PCE).

Field Screening

After the overlying soil was removed, the soil was monitored for VOCs with a photoionization detector (PID). All VOC measurements were recorded on a Field Log.

Results

Soil Sampling and Laboratory Analysis

All analytical results were non-detect for Method 8010 at the method detection limit for each individual constituent (i.e., from five to 20 ppb). The original analytical report was forward directly to County Health from the laboratory. A copy of the analytical report is contained in *Attachment 1.*

Field Screening

All PID readings were non-detect. A copy of the Field Log and instrument calibration sheet is included as *Attachment* 2.

Contaminant Volume

The Water Board has requested that a volume estimate of the PCE release. In my professional opinion, the requested calculation is of limited value, is highly speculative, and may present a worst-case scenario. This opinion is based upon the following:

1. The average PCE concentration, depth of the "clean" zone, and soil density were all estimated.

APR-07-1999 09:48 FROM ALASKA PETRO ENVIRO ENGR TO 95685116 P.05/26

2. There is no correlation between the sampling point depths and the PCE concentration data.

The volumetric calculation is not supported by any additional field data that could have been derived if the site had not been effectively remediated by simple source removal. The "normal" regulatory reporting requirement is the volume of contaminant removed.

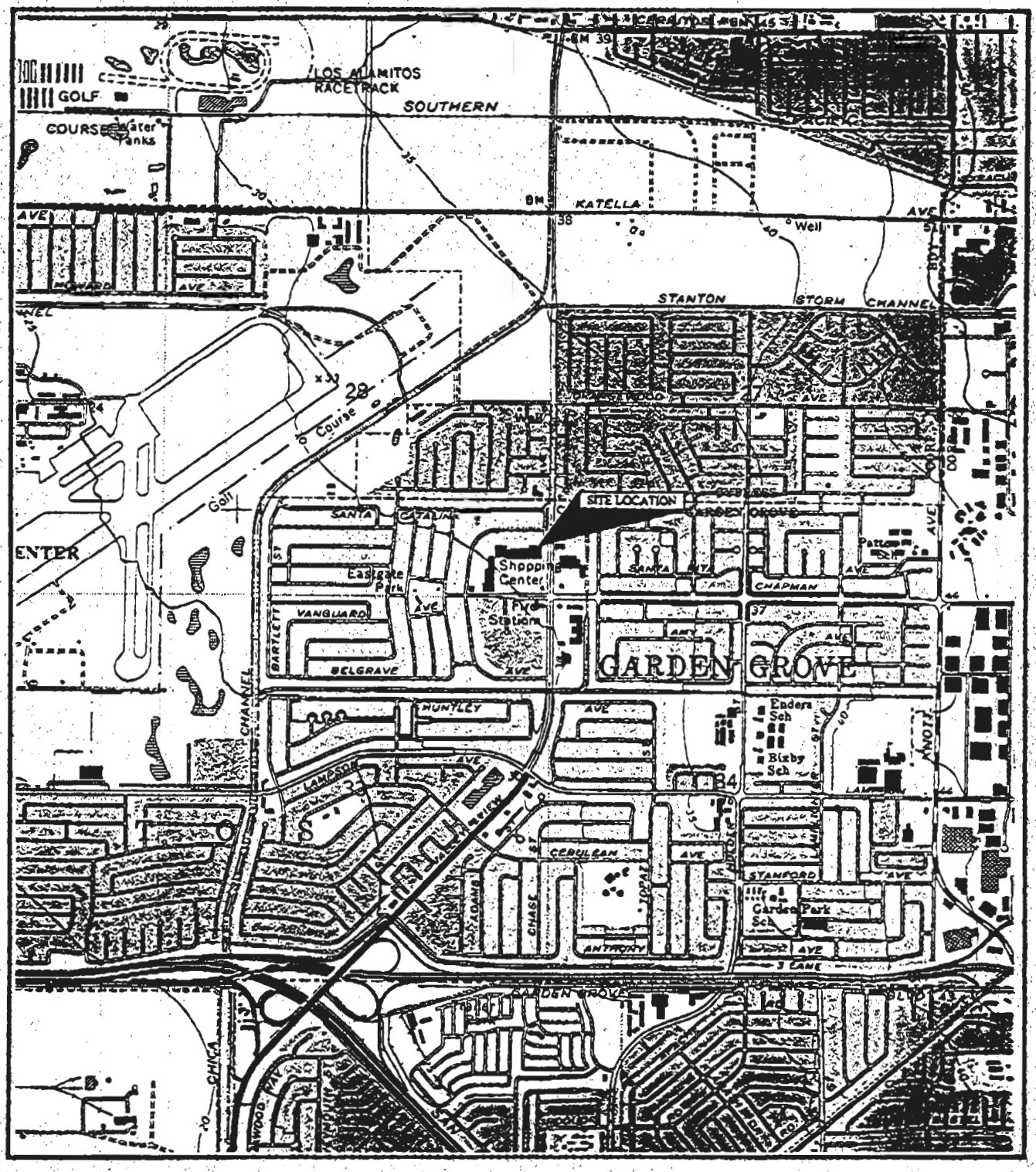
Accurate removal volume calculations can only be obtained by an assessment similar to that made at the former dry cleaner located across the street from the Site. That assessment was based upon the amount of PCE removed per a specific calendar basis (e.g., day, week, etc.) of remedial operation. The volume was calculated from the vapor extraction system's blower flow rate and the PCE concentration in the air stream. This was the type of data that Woodward-Clyde Consultants provided (removal of 1.1 pounds per day) in their assessment of this site ["Site Investigation and Remediation Assessment Report, Eastgate Center, 11908-11960 Valley View St., Garden Grove, California", May 1997]. A cumulative reported volume was obtained when the site was deemed "clean" or when the contaminant concentration reached asymptotic levels.

The only means from which a volume calculation for the Site can be made is from the data obtained from the limited soil sampling conducted. The areas sampled were those assumed to be a potential point source of the release (i.e., drum storage location, immediately adjacent to the dry cleaning plant, and along the drainage path from the dry cleaning plant). Samples were collected at two foot depth intervals. A copy of the soil sample location diagram and table of analytical data results is contained in ***Attachment 3***. The estimated volume of PCE released is approximately 8.3 pounds or about 0.6 gallons.

APR-07-1999 09:49 FROM ALASKA PETRO ENVIRO ENGR TO 95685116 P.06/26

Figures

APR-07-1999 09:50 FROM ALASKA PETRO ENVIRO ENGR TO 95685116 P.07/26



N

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY, LOS ALAMITOS QUADRANGLE, 7.5 MINUTE SERIES (TOPOGRAPH), GARDEN GROVE, CALIFORNIA 1964 (PHOTO REVISED 1981)

Approximate Scale 1" = 2000'

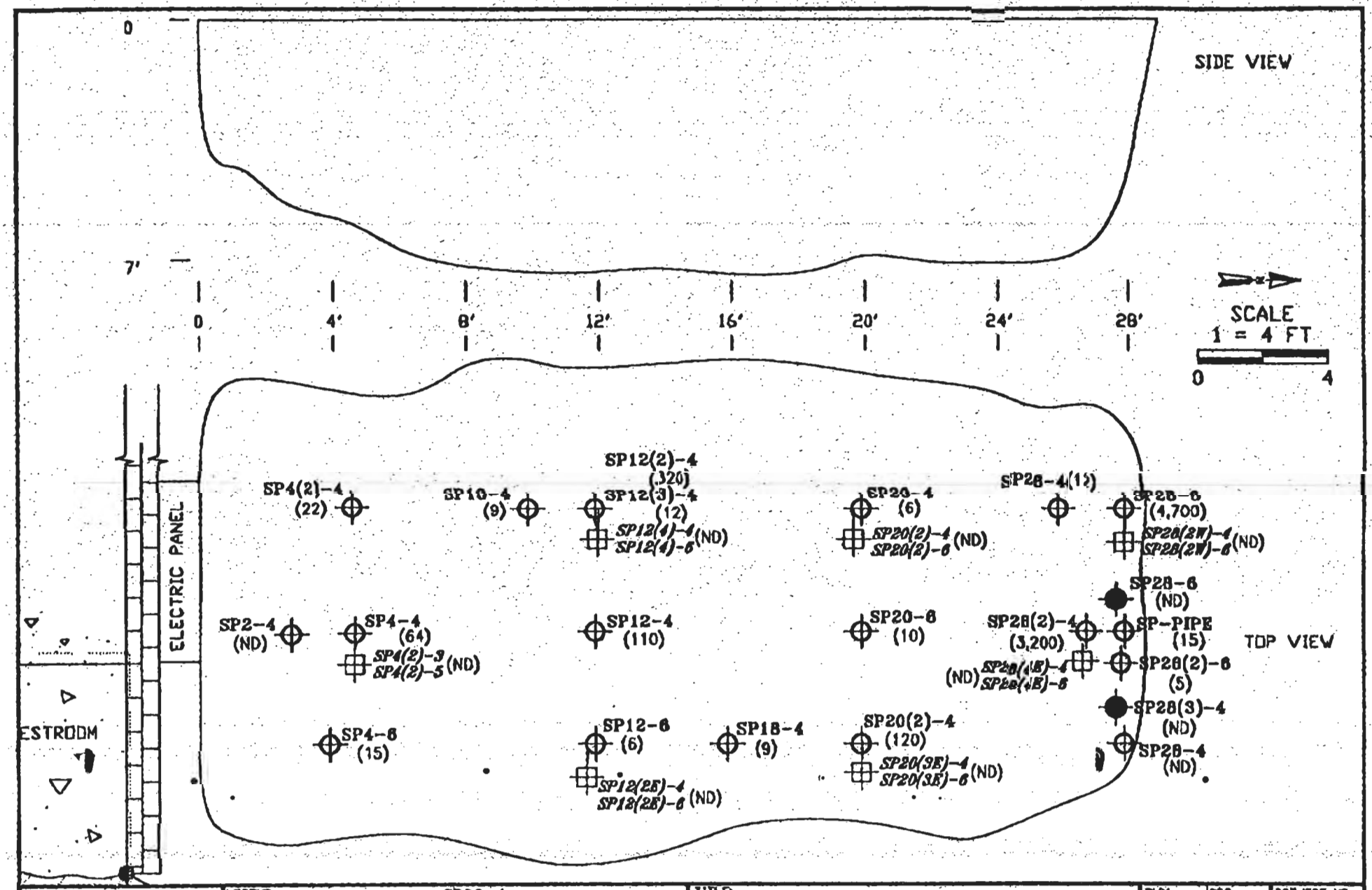
ALASKA PETROLEUM ENVIRONMENTAL ENGINEERING
P.O. Box 6365
Garden Grove, CA 92264
(714) 897-2733
P.O. Box 81804
Fairbanks, AK 99708
(907) 479-9555

TITLE:

SITE LOCATION
FORMER SPARKLING CLEANERS
11867 VALLEY VIEW STREET
GARDEN GROVE, CA

DES: S.R.R.	PROJECT NO: 38148W2
APP'D: R.G.S.	FIGURE NO: 1
DATE: 3/99	

APR-07-1999 09:50 FROM ALASKA PETRO ENVIRO ENGR TO 95685116 P.08/26



LEGEND:
(ND) = NON-DETECT
(22) = ANALYTICAL RESULTS IN PARTS PER BILLION

CONCRETE
DIRT

SP28-4 COUNTY HEALTH SAMPLE LOCATION
SP4-4 PREVIOUS ALASKA PETROLEUM SAMPLE
SP4(2)-4 MARCH 1999 ALASKA PETROLEUM SAMPLE

TITLE:
REVISED STOCKPILE SAMPLE LOCATION DIAGRAM
11867 VALLEY VIEW STREET
GARDEN GROVE, CA

DWN:	DES:	PROJECT NO:
S.R.R.	S.R.R.	38148W2
CHKD: R.G.S.	APPD: R.G.S.	FIGURE NO: 2
DATE: 4/99	REV: 0	

Attachment 1

AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

Alaska Petroleum Envir. Engineerin
P.O.Box 5365
12802 Valley View St. #9
Garden Grove, CA 92846-0365

Attn : Glen Stillman
Phone: 714/897-2733

Number of Pages: 9
Date Received : 03/25/99
Date Reported : 04/01/99

ASL Job Number: 4875

Site: Former Sparkling Cleaners
Valley View @ Chapman

Enclosed are the results of analyses on 7 soil samples analyzed as specified on attached chain of custody.

Checked By _____

Approved By _____
ROBERT G. ARAGHI
LABORATORY DIRECTOR

AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4875

Report To: (ALASKA)
Alaska Petroleum Envix. Engineerin
P.O.Box 5365
12802 Valley View St. #9
Garden Grove, CA 92845-0365

Site: Former Sparkling Cleaners
Valley View & Chapman

Attn: Glen Stillman

Phone: 714/897-2733

Method:	(8010) Halogenated Volatiles	
Matrix:	Soil	
Units:	ug/kg	
Lab ID:	32749	
Sample No:	SP4(2)-3'	
Date Sampled:	03/24/99	
Date Extracted:	03/31/99	
Date Analyzed:	03/31/99	

		Detection Limit
Bromobenzene	ND	5
Bromodichloromethane	ND	5
Bromoform	ND	10
Bromomethane	ND	10
Carbon Tetrachloride	ND	5
Chlorobenzene	ND	5
Chloroethane	ND	10
Chloroform	ND	5
Chloromethane	ND	10
Dibromochloromethane	ND	5
Dibromomethane	ND	5
1,2 Dichlorobenzene	ND	5
1,3 Dichlorobenzene	ND	5
1,4 Dichlorobenzene	ND	5
Dichlorodifluoromethane	ND	10
1,1 Dichloroethane	ND	5
1,2 Dichloroethane	ND	5
1,1 Dichloroethene	ND	5
CIS 1,2 Dichloroethene	ND	5
TRNS 1,2 Dichloroethene	ND	5
1,2 Dichloropropane	ND	5
CIS 1,3 Dichloropropene	ND	5
TRNS 1,3 Dichloropropene	ND	5
Methylene Chloride	ND	20
1,1,1,2 Tetrachloroethane	ND	5
1,1,2,2 Tetrachloroethane	ND	5
Tetrachloroethene	ND	5
1,1,1 Trichloroethane	ND	5
1,1,2 Trichloroethane	ND	5
Trichloroethene	ND	5
Trichlorofluoromethane	ND	10
1,2,3 Trichloropropane	ND	5
Vinyl Chloride	ND	10

(Continued)

ND - Not Detected at The Detection Limit

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4875 Page: 3

Quality Control Report

Lab ID: 32749

Surrogate %REC:	
Bromofluorobenzene	114

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Chlorobenzene	87	87	< 1
1,1 Dichloroethene	92	91	1.1
Trichloroethene	101	97	4

ND - Not Detected at The Detection Limit

3225 San Fernando Road, Los Angeles, California 90065

AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4875

Report To: (ALASKA)
Alaska Petroleum Envir. Engineerin
P.O.Box 5365
12802 Valley View St. #9
Garden Grove, CA 92845-0365

Site:
Former Sparkling Cleaners
Valley View @ Chapman

Attn: Glen Stillman

Phone: 714/897-2733

Method:	(8010) Halogenated Volatiles	
Matrix:	Soil	
Units:	ug/kg	
Lab ID:	32750	
Sample No:	SP12(4)-4'	
Date Sampled:	03/24/99	
Date Extracted:	03/27/99	
Date Analyzed:	03/27/99	

		Detection Limit
Bromobenzene	ND	5
Bromodichloromethane	ND	5
Bromoform	ND	10
Bromomethane	ND	10
Carbon Tetrachloride	ND	5
Chlorobenzene	ND	5
Chloroethane	ND	10
Chloroform	ND	5
Chloromethane	ND	10
Dibromochloromethane	ND	5
Dibromomethane	ND	5
1,2 Dichlorobenzene	ND	5
1,3 Dichlorobenzene	ND	5
1,4 Dichlorobenzene	ND	5
Dichlorodifluoromethane	ND	10
1,1 Dichloroethane	ND	5
1,2 Dichloroethane	ND	5
1,1 Dichloroethene	ND	5
CIS 1,2 Dichloroethene	ND	5
TRNS 1,2 Dichloroethene	ND	5
1,2 Dichloropropane	ND	5
CIS 1,3 Dichloropropene	ND	5
TRNS 1,3 Dichloropropene	ND	5
Methylene Chloride	ND	20
1,1,1,2 Tetrachloroethane	ND	5
1,1,2,2 Tetrachloroethane	ND	5
Tetrachloroethene	ND	5
1,1,1 Trichloroethane	ND	5
1,1,2 Trichloroethane	ND	5
Trichloroethene	ND	5
Trichlorofluoromethane	ND	10
1,2,3 Trichloropropane	ND	5
Vinyl Chloride	ND	10

(Continued)

ND - Not Detected at The Detection Limit

AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4875

Quality Control Report

Lab ID: 32750

Surrogate %REC.	
Bromofluorobenzene	144

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Chlorobenzene	87	93	6.7
1,1 Dichloroethene	74	81	9
Trichloroethene	87	92	5.6

ND - Not Detected at The Detection Limit

3225 San Fernando Road, Los Angeles, California 90065 • (323) 254-3700

AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4875 Page: 5

Report To: (ALASKA)
Alaska Petroleum Envir. Engineerin
P.O. Box 5365
12802 Valley View St. #9
Garden Grove, CA 92845-0365

Attn: Glen Stillman

Site:
Former Sparkling Cleaners
Valley View @ Chapman

Phone: 714/897-2733

Method:	(8010)		
	Halogenated Volatiles		
Matrix:	Soil		
Units:	ug/kg		
Lab ID:	32751	32752	
Sample No:	SP20(2)-4'	SP12(2E)-4'	
Date Sampled:	03/24/99	03/24/99	
Date Extracted:	03/27/99	03/27/99	Detection
Date Analyzed:	03/27/99	03/27/99	Limit
Bromobenzene	ND	ND	5
Bromodichloromethane	ND	ND	5
Bromoform	ND	ND	10
Bromomethane	ND	ND	10
Carbon Tetrachloride	ND	ND	5
Chlorobenzene	ND	ND	5
Chloroethane	ND	ND	10
Chloroform	ND	ND	5
Chloromethane	ND	ND	10
Dibromochloromethane	ND	ND	5
Dibromomethane	ND	ND	5
1,2 Dichlorobenzene	ND	ND	5
1,3 Dichlorobenzene	ND	ND	5
1,4 Dichlorobenzene	ND	ND	5
Dichlorodifluoromethane	ND	ND	10
1,1 Dichloroethane	ND	ND	5
1,2 Dichloroethane	ND	ND	5
1,1 Dichloroethene	ND	ND	5
CIS 1,2 Dichloroethene	ND	ND	5
TRNS 1,2 Dichloroethene	ND	ND	5
1,2 Dichloropropane	ND	ND	5
CIS 1,3 Dichloropropene	ND	ND	5
TRNS 1,3 Dichloropropene	ND	ND	5
Methylene Chloride	ND	ND	20
1,1,1,2 Tetrachloroethane	ND	ND	5
1,1,2,2 Tetrachloroethane	ND	ND	5
Tetrachloroethene	ND	ND	5
1,1,1 Trichloroethane	ND	ND	5
1,1,2 Trichloroethane	ND	ND	5
Trichloroethene	ND	ND	5
Trichlorofluoromethane	ND	ND	10
1,2,3 Trichloropropane	ND	ND	5
Vinyl Chloride	ND	ND	10

(Continued)

ND - Not Detected at The Detection Limit

3225 San Fernando Road, Los Angeles, California 90065 • (323) 254-7700 Fax: (323) 254-7700

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4875 Page: 7

Quality Control Report

Lab ID:	32751	32752
Surrogate %REC.		
Bromofluorobenzene	114	115

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Chlorobenzene	87	87	< 1
1,1 Dichloroethene	92	91	1.1
Trichloroethene	101	97	4

ND - Not Detected at The Detection Limit

3225 San Fernando Road, Los Angeles, California 90065

AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4875 Page: 8

Report To: (ALASKA)
Alaska Petroleum Envir. Engineering
P.O.Box 5365
12802 Valley View St. #9
Garden Grove, CA 92845-0365

Attn: Glen Stillman

Site: Former Sparkling Cleaners
Valley View @ Chapman

Phone: 714/897-2733

Method: (8010)
Halogenated Volatiles
Matrix: Soil
Units: ug/kg

Lab ID:	32753	32754	32755	
Sample No:	SP20(3E)-4'	SP28(2W)-4'	SP28(4E)-4'	
Date Sampled:	03/24/99	03/24/99	03/24/99	
Date Extracted:	03/29/99	03/29/99	03/29/99	Detection
Date Analyzed:	03/29/99	03/29/99	03/29/99	Limit
Bromobenzene	ND	ND	ND	5
Bromodichloromethane	ND	ND	ND	5
Bromoform	ND	ND	ND	10
Bromomethane	ND	ND	ND	10
Carbon Tetrachloride	ND	ND	ND	5
Chlorobenzene	ND	ND	ND	5
Chloroethane	ND	ND	ND	10
Chloroform	ND	ND	ND	5
Chloromethane	ND	ND	ND	10
Dibromochloromethane	ND	ND	ND	5
Dibromomethane	ND	ND	ND	5
1,2 Dichlorobenzene	ND	ND	ND	5
1,3 Dichlorobenzene	ND	ND	ND	5
1,4 Dichlorobenzene	ND	ND	ND	5
Dichlorodifluoromethane	ND	ND	ND	5
1,1 Dichloroethane	ND	ND	ND	5
1,2 Dichloroethane	ND	ND	ND	5
1,1 Dichloroethene	ND	ND	ND	5
CIS 1,2 Dichloroethene	ND	ND	ND	5
TRNS 1,2 Dichloroethene	ND	ND	ND	5
1,2 Dichloropropane	ND	ND	ND	5
CIS 1,3 Dichloropropene	ND	ND	ND	5
TRNS 1,3 Dichloropropene	ND	ND	ND	5
Methylene Chloride	ND	ND	ND	20
1,1,1,2 Tetrachloroethane	ND	ND	ND	5
1,1,2,2 Tetrachloroethane	ND	ND	ND	5
Tetrachloroethene	ND	ND	ND	5
1,1,1 Trichloroethane	ND	ND	ND	5
1,1,2 Trichloroethane	ND	ND	ND	5
Trichloroethene	ND	ND	ND	5
Trichlorofluoromethane	ND	ND	ND	10
1,2,3 Trichloropropane	ND	ND	ND	5
Vinyl Chloride	ND	ND	ND	10

(Continued)

ND - Not Detected at The Detection Limit

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4875 Page: 9

Quality Control Report

Lab ID:	32753	32754	32755
Surrogate %REC.			
Bromofluorobenzene	89	104	99

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Chlorobenzene	110	112	< 1
1,1 Dichloroethene	80	80	< 1
Trichloroethene	101	102	1

ND - Not Detected at The Detection Limit

3225 Sun Fernando Road, Los Angeles, California 90065 • (323) 254-7700, Fax: (323) 254-7799

38148WL

CHAIN OF CUSTODY
Orange County Health Care Agency
Environmental Health Division
2009 E. Edinger Ave., Santa Ana, CA 92705
Telephone: (714) 667-3700

1. ALL SAMPLES ARE TO BE HANDLED AS COURT EVIDENCE, AND ARE TO BE PROPERLY STORED IN A SECURE LOCATION.

2. PLEASE WRITE LEGIBLY.

3. ATTACH THIS FORM TO THE ORIGINAL REPORT OF THE ANALYTICAL RESULTS AND RETURN THEM TO THIS OFFICE. LABORATORY RESULTS RECEIVED WITHOUT PROPER CHAIN OF CUSTODY DOCUMENTATION WILL NOT BE ACCEPTED.

4. TO BE COMPLETED BY LABORATORY ANALYST

LAB NO.: _____

DATE RECEIVED: _____

SAMPLE(S) CONDITION (PLEASE CHECK):

CHILLED: ____ COUNTY SEAL(S) INTACT: ____

CONTAINER IN GOOD CONDITION: ____

DATE ANALYSIS COMPLETED: _____

ANALYST: _____

5. TO BE COMPLETED BY SAMPLE COLLECTOR

SITE NAME/ADDRESS: Fm. Sparkling Cleaner Valley View 81E Chapman, G.G. 99IC01

DATE OF COLLECTION: 3-24-99

SAMPLE COLLECTOR/COMPANY: Alaska Petrol Glenn Stillman

TELEPHONE NO.: (714) 897-2233

HCA REPRESENTATIVE: Luis Lodriguez

6.

SAMPLE NUMBER	DETERMINATION REQUESTED	SAMPLE DESCRIPTION/COMMENTS	TIME OF COLLECTION
SP4(2)-3	SP4(2)-8'	EPA method 8010 (chlo. NK) for all samples	1:30/1:32
SP12(4)-4'	SP12(4)-6'	Stockpiled Soil	1:34/1:43
SP20(2)-4'	SP20(2)-6'		1:52/1:43
SP12(3E)-4'	SP12(3E)-6'		2:03/2:05
SP20(3E)-4'	SP20(3E)-6'		2:14/2:30
SP28(2W)-4	SP28(2W)-6		2:46
SP28(4E)-4	SP28(4E)-6'		2:

7. CHAIN OF CUSTODY

	SIGNATURE	COMPANY/AGENCY	INCLUSIVE DATES/TIMES
1.	[signature]	HCA - EHD	3-24-99 . 2:52
2.	[signature]	Alaska Petroleum Envir Eng	3/26/99 . 2/24/99 1900
3.	[signature]	A-L	3-25-99 . 1:50
4.			
5.			
6.			

WHITE-RETURN THIS COPY TO ENVIRONMENTAL HEALTH, CANARY-LABORATORY COPY
PINK-CONTRACTOR/CONSULTANT COPY, GOLDENROD-OFFICE COPY

F272-9.1531.1(R8/89)

APR-07-1999 10:00 FROM ALASKA PETRO ENVIRO ENGR TO 95685116 P.20/26

Attachment 2

ALASKA PETROLEUM
ENVIRONMENTAL
ENGINEERING

AIR MONITORING LOG

Date: 3/24/99	Initials: RGI
Project: Former Sprinkling Cleaners	Job #: 3814PGL
Site/Location: Gordon Grove, CA	Elevation/Pressure: /
Temperature: 68°F Weather: Clear, slt breeze	

Location	O_2	H_2S	CO_2	LEL	PID/FID	TIME	Comments
~~SP4~~ SP4(L)-3					0	1330	
SP4(L)-5					0	1331	
SP(L)4-4					0	1339	
SP(L)4-6					0	1342	
SP20(L)-4					0	1343	
SP20(L)-6					0	1344	
SP12(2E)-4					0	1401	
SP12(2E)-6					0	1405	went to get more tubes, caps
SP20(3E)-4					0	1409	lost on way to site
SP20(3E-6					0	1430	
SP28(2W-)-4					0	1446	
SP28(2W)-6					0	1447	
SP28(4E)-4					0	1452	
SP28(4E)-6					0	1453	

Comments:

d:\forms\airmonit.log

APR-07-1999 10:01 FROM ALASKA PETRO ENVIRO ENGR TO 95685116 P.22/26

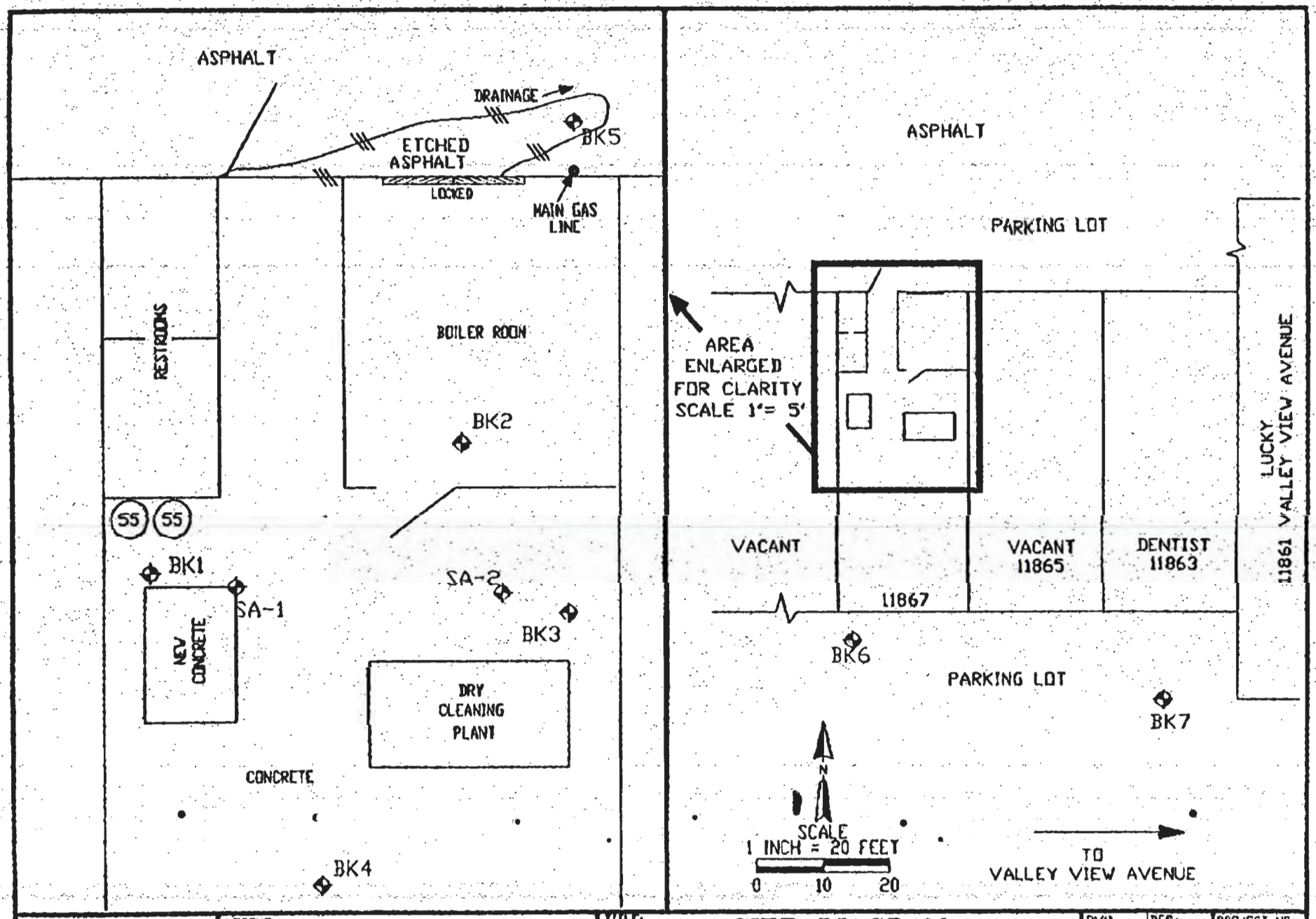
Calibration Data Sheet

Project No. 3814PW2

Date: 9/24/99

Unit	Serial #	Time	Zero Gas ppm	25ppm H_2S	50 ppm Hexane	500 ppm Hexane	95 ppm Methane	9500 ppm Methane	25% LEL Pentane	Battery Check	H_2 PSI	Comments	Initial
OVA													
PID	✓	1255	✓		✓					✓		OK	[illegible]
RAD													
LEL													
CO													
H_2S													
O_2													

Attachment 3



ALASKA PETROLEUM INVIRONMENTAL ENGINEERING

LEGEND:
BORGAY SAMPLE LOCATION — SA-X — IDENTIFICATION
ALASKA PETROLEUM SAMPLE LOCATION — BKX
CHANGE OF SURFACE MATERIAL
55 GALLON WASTE DRUM
STEEL DOOR

TITLE:
SITE DIAGRAM
SOIL BORING LOCATIONS
DOMAIN CORPORATION
VALLEY VIEW & CHAPMAN AVENUES
GARDEN GROVE, CA

DWN	DES.	PROJECT NO.
S.R.R.	S.R.R.	701142
CHKD.	APPD.	FIGURE NO.
R.G.S.	R.G.S.	2
DATE: 4/97	REV: 1	

Constituent[1] → Sample ID[2] ↓	vinyl chloride	trans-1,2-DCE	cis-1,2-DCE	TCE	PCE
BK1-2	<5	<3	18	7.7	210
BK1-4	5.3	<3	<3	<3	<5
BK2-2	68	21	400	<3	7.7
BK2-4	25	3.3	160	32	450
BK2-6	21	<3	<3	<3	<5
BK3-2	125 [3]	360	750	4,600	17,000
BK3-4	85	210	1,100	1,700	73
BK3-6	490 / 315 [4]	120	1,500	2,200	1,300
BK3-10	32	<6	110	<6	<10
BK4-2	<5	<3	<3	4.5	8.7
BK4-4	<5	<3	<3	<3	<5
BK5-2	<5	19	91	<6	<10
BK6-5	NA [5]	NA	NA	NA	NA
BK7-5	NA	NA	NA	NA	NA

[1] The first four chemical compounds are "daughter" or degradation products of PCE.
[2] "BK1-2" = Bollenbacher & Kelton, boring #1 sampled at a depth of two feet BGS.
[3] The elevated detection limit is due to the PCE contamination.
[4] The initial vinyl chloride concentration measured by the on-Site mobil laboratory was > 1,200 ppb; this sample was subsequently re-analyzed by the mobile lab and sent to another laboratory for confirmation analysis.
[5] "NA" = Sample was not requested to be analyzed (refer to Section 4.2).

6.0 Technical Evaluation

6.1 *Soil Cleanup Screening Levels*

Based upon the remedial information supplied by County Health, there is the potential that up to 20,000 ppb of PCE may be left in place. This can not be determined until County Health is requested to conduct the modeling. Although no soil samples were analyzed within the upper one foot, the USEPA - Region 9 criteria of 17,000 ppb should be validated.

COUNTY OF ORANGE/HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH
2009 E. Edinger, Santa Ana, CA 92705
(714) 667-3700

SITE MITIGATION/CLEANUP REPORTING FORM

Case No.: 99 IC 1

Account No.:

Date Received: 1-5-99

DBA: Former Sparkling Cleaners / Eastgate

Address: 11867 Valley View Street

City: (8) Garden Grove Zip: 92845

Responsible Party: Mark Ketton - Vice President

Mailing Address: Domain Corporation
2716 Ocean Park Blvd., Suite 3006
Santa Monica, CA 90405-5207

Chem ID: 575 - W - PCE 2132 - Org. cpds

How Discovered: 2 Leak Type: 3

Leak Cause: 1 Affected Resources: 3

Remediation Technology (Water):

Remediation Technology (Soil): 1 - Excav. / removal

Amount of contaminated soil taken off-site for treatment: _____ tons

Amount of contaminated soil taken off-site for disposal: _____ tons

How disposed: 98 - Re-characterized, re-cycled on-site.

Completed By: Luis Lodriguez

cc: ~~D. Chung~~ Robyn Lawrence
1/6/99
1/22/99

COUNTY OF ORANGE
ENVIRONMENTAL HEALTH DIVISION
WASTE MANAGEMENT AGENCY

ACTIVITIES REPORT

99IC1

Company Name: Sparkling Cleaners

Address: 11867 Valley View St.

City: (8) Garden Grove State: _____ Zip: 92845

Contact Person(s): _____ Phone: _____

Date	Staff	Activities/Comments
4-8 (cont'd)	Luis Lodriguezza	Reviewed Stockpile Sampling Letter-Report: stockpile can be relocated. Returned Glenn's call to signify my concurrence to soil relocation.
4-9	Lodriguezza	Call from Glenn S: will send originals COCs to HCA. Revised closure summary/rationale after review of sampling report.
4-21	Lodriguezza	Faxed clos. letter to R. Glenn S/Alaska. Posted clos. letter.
4-22	Lodriguezza	Closure protocol; closed case.

COUNTY OF ORANGE
'IRONMENTAL HEALTH DIVISI
WASTE MANAGEMENT AGENCY

99IC1

ACTIVITIES REPORT

Company Name: Sparkling Cleaners

Address: 11867 Valley View St.

City: (8) Garden Grove State: Zip: 92845

Contact Person(s): W. Dennis Merklin Phone: (949) 782-4434

Date	Staff	Activities/Comments
3-12-99	Luis Lodriguezza	Rev vapor risk assessment – mass-based for PCE, TCE and Vinyl Chloride. Revised closure rationale.
3-19-99	Lodriguezza	Supervisor indicated that closure should be held until Agency has received final decision on soil disposition.
3-22	Lodriguezza	Called W. Dennis M: left message. Talked to Glenn Stillman about soil disposition: he said he was willing to accept conditional closure, pending final disposition of soil.
		Discussed Conditional closure request w/ Supervisor: I am to consult Reg. Board for sampling requirements of stockpiled soil.
3-23	Lodriguezza	Called W. Dennis re sampling: left message. Called Dennis again @ 12:33 pm – not available.
		Talked to Glenn and asked for sampling plan. He'll fax it tomorrow to me & Dennis. I called Dennis & told him about fax.
3-24	Lodriguezza	Called Glenn & asked for re-fax of WP to 'upstairs' fax #. Tentative Schedule for sampling 1:30 pm. Today.
		Reviewed faxed WP – Called Dennis, left message. Discussed sampling plan with Dennis and Glenn.
		Confirmed scheduled sampling at 1:20 pm.
		At site for confirmation re-sampling of spoils pile using backhoe. Seven sample points at two depths each were selected for EPA M 8010 analysis. The north nose of the pile was systematically exposed every foot from surface to screen for impact: no observable
		contaminated soil (visual, olfactory or field instrument) was noted.
3-25	Lodriguezza	Talked to W. Dennis M (RB) & Glenn S (Alaska) re: confirmation sampling; possible closure after receipt of
		lab report / location map / mass calculations from Alaska Pet.
4-7	Lodriguezza	Called Glenn S – left msg re: lab report – to HSA.
4-8	Lodriguezza	Call from Glenn S re: re-location of soil stockpile.

COUNTY OF ORANGE
...VIRONMENTAL HEALTH DIVISI
WASTE MANAGEMENT AGENCY

ACTIVITIES REPORT

99 IC 1

Company Name: former Sparkling Cleaners

Address: 11867 Valley View St.

City: (8) Garden Grove State: _____ Zip: 92840

Contact Person(s): Glenn Stillman Phone: (714) 897-2733 X 207

W. Dennis Merklin (909) 782 4434

Date	Staff	Activities/Comments
2-3-99	Luis Lodriguezza	Glenn called in depth of SA1 & SA2 @ 2½-3' below concrete for Re-sampling of spoil pile set this afternoon @ 2:00 pm.
continued		At site @ 2:00 pm: waited for Glenn; then witnessed collection of spoil sample, north end @ 4 ft from top of pile.
2-4	Lodriguezza	CR continued.
2-19	Lodriguezza	Returned call of Glenn; I left message that I hadn't received lab report on last sampling.
2-22	Lodriguezza	Called Glenn S. again for lab report - left message.
2-23	Lodriguezza	Received original COC + lab report. Continued/finalized closure rationale. Reviewed/plotted spoils pile sample pts: somewhat blurry/confusing.
2-24	Lodriguezza	Called Dennis Merklin - left message about spoils pile
		proposed to be used as re-fill material. Faxed map +
		message to Glenn S. Continued w/ CR preparation.
		Conferred with Dennis Merklin; he'll not allow re-use
		of excavated soil unless remediated or shown by
		good sampling to be of acceptable contaminant concentra-
		tions.
2-26	Lodriguezza	Talked to Dennis M.: he said he'd ask for a compre-
		hensive sampling plan for the stockpiled soil from
		Alaska, before he could agree on its use for
		refill!
3-9	Lodriguezza	Talked to W. Dennis M (Reg. Bd.): he said he'd ask
		for more stockpile sampling before concurring on
		final disposition, and that he did not foresee
		HCA closure and case referral.
		Call from Glenn S. following up of HCA closure.
3-10	Lodriguezza	Finalized CR. Called Glenn Stillman - left message re:
		closure with referral.
		Conducted vapor risk assessment (for PCE + TCE). Talked
3-11	Lodriguezza	to Glenn re: possible closure - by next week.

COUNTY OF ORANGE
VIRONMENTAL HEALTH DIVISI
WASTE MANAGEMENT AGENCY

ACTIVITIES REPORT

99IC1

Company Name: Former Sparkling Cleaners

Address: 11867 Valley View Street

City: (8) Garden Grove State: CA Zip: 92845

Contact Person(s): Glenn Stillman / Alaska Pet. Env. Eng. Phone: (714) 897-2733 x207

W. Dennis Marklein (SARWQCB)

Date	Staff	Activities/Comments
1-5-99	Luis Lodriguez	Opened case file; drafted o/sight letter, SB notifs.
1-6-99	Lodriguez	Finalized o/sight ltr; SB notif.; posted. Reviewed RAP/report
1-7-99	Lodriguez	Returned call of Glenn: left message for possible field
		inspection/sampling this pm or tomorrow.
		At site and met with Glenn S. We agreed
		to conduct sampling (confirmation) tomorrow @
		1:30 pm. I also asked for diagram of sample
		points of stockpiled soil.
1-8-99	Lodriguez	Lab data review / plotting on sample location/excavation map.
		Spotted 2 confirmation sampling locations.
		At site w/ Glenn Stillman and witnessed
		collection of confirmation samples.
1-25-99	Lodriguez	Phone message from Glenn: he'll send originals COC +
		Lab Results on sampling done on 1-8-99. All were "ND."
1-29-99	Lodriguez	Received/reviewed letter + attachments re: confirmation sampling.
		Called Glenn and asked again for original COC.
2-1-99	Lodriguez	Message from Sandy (Alaska Pet): she mailed original
		COC and must be received @ HCA this morning.
		Started case closure review / closure rationale (CR).
2-2	Lodriguez	Continued CR preparation; received original LRP +
		COC. Called Glenn S. - left message.
2-3	Lodriguez	Called Glen S. again + left message. Talked to Glenn:
		he inspected the facility's interior and found no evidence
		of floor cracking or degradation (original tiles showed
		only ordinary wear & tear). nor any floor drains.
		He noticed though that drainage (surficial)
		was toward the boiler room, and that exterior
		rear area had degraded concrete (and these
		were then sampled).

OUNTY OF ORANGE
HEALTH CARE AGENCY

PUBLIC HEALTH
DIVISION OF ENVIRONMENTAL HEALTH

DONALD R. OXLEY
DIRECTOR

HILDY MEYERS, M.D.,
INTERIM HEALTH OFFICER

JACK MILLER, REHS
DEPUTY DIRECTOR

MAILING ADDRESS:
2009 EAST EDINGER AVENUE
SANTA ANA, CA 92705-4720

TELEPHONE: (714) 667-3600
FAX: (714) 568-5116

April 20, 1999

Mark Kelton - Vice President
Domain Corporation
2716 Ocean Park Boulevard, Suite 3006
Santa Monica, CA 90405-5207

Subject: **Case Closure and Referral to Regional Water Quality Control Board**

Re: Former Sparkling Cleaners
Eastgate Plaza
11867 Valley View Street
Garden Grove, CA 92845
OCHCA Case # 99IC1

Dear Mr. Kelton:

This letter confirms the completion of remedial action at the above-referenced site. With the provision that the information provided to this Agency was accurate and representative of existing conditions, it is the position of this office that no further action is required at this time.

This confirmation of completion is limited in scope. It is limited to site conditions made known to this Agency under the above-referenced case number. It is based on an evaluation of the health threat presented by the inhalation, ingestion, or dermal absorption of the residual contaminants. In addition, this evaluation considered the present and proposed use of the property. Changes in the present or proposed land use may require further site characterization and/or site mitigation activity.

The Santa Ana Regional Water Quality Control Board was contacted by this Agency regarding this site. Regional Board staff is aware of the presence of volatile organic compounds and the potential for residual contamination present at this site to cause further groundwater contamination. Groundwater contamination concerns will be addressed by the Regional Water Quality Control Board.

Please be advised that this letter does not relieve you of any liability under the California Health and Safety Code or Water Code for past, present or future operations at the site. Nor does it relieve you of the responsibility to clean up existing, additional or previously unidentified conditions at the site which cause or threaten to cause pollution or nuisance or otherwise pose a threat to water quality or public health. It is the property owner's responsibility to notify this Agency of any changes in future contamination findings or site usage.

April 20, 1999

If you have any questions regarding this matter, please contact Luis Lodrigueza at (714) 667-3717.

Sincerely,

Karen L. Hodel

Karen L. Hodel, R.G.
Program Manager
Hazardous Materials Management Section
Environmental Health Division

KLH:LL:

cc: Robert Holub, Santa Ana Regional Water Quality Control Board
R. Glenn Stillman, Alaska Petroleum Environmental Engineering
William J. Diekmann, O. C. Supervising Hazardous Waste Specialist

IC:sparklingcleaners /closureletter\LAL.doc

Comments: [illegible]

From: Luis Lodriguez (714) 667-3717
HCA/Environmental Health Telephone No.

TOTAL NUMBER OF PAGES:

This Information Sheet plus Two Page(s)

Date Sent: 10:55 Time Sent: _____ a.m./p.m.(circle one)

If you do not receive all the pages, please call (714) 667-3771 as soon as possible to request a retransmission.

FAX Operator: _____

Rev: 10/28/98

ERRORS

1) HANG UP OR LINE FAIL 2) BUSY 3) NO ANSWER 4) NO FACSIMILE CONNECTION

Celestia Pitt re: Sparking Clara Closure

THE FOLLOWING FILE(S) ERASED

FILE	FILE TYPE	OPTION	TEL NO.	PAGE	RESULT
100	MEMORY TX		98970031	03/03	OK

(AUTO)

TRANSMISSION RESULT REPORT (APR 21 '99 09:58AM)

COUI OF ORANGE

Case Summary/Closure Rationale

OCHCA Case No.: **99IC1**

April 9, 1999

D.B.A.: **Former Sparkling Cleaners**
11867 Valley View Street
Garden Grove, CA 92845

Responsible Party: Mark Kelton/
Domain Corporation

Current Land Use: Industrial/Commercial
Current Adjacent Land Use: Industrial/Commercial
Future Land Use: Industrial/Commercial

Table I - Nature and Degree of Significant Site Contamination

Contaminants	Maximum Initial Concentrations		Maximum Residual Concentrations		PRG[1]	MCL
	Soil, mg/kg	Groundwater, mg/l	Soil, mg/kg	Groundwater, mg/l	mg/kg	mg/l
TCE	4.6 (2 fbg)*	0.22	0.008 (2 fbg) 0.091 (8 fbg)[+]	ND	6.1	0.005
PCE	17 (2 fbg)	0.54	0.079 (2 fbg) 0.17 (8 fbg)[+]	0.036	16	0.005
VC	0.51 (5 fbg)	0.14	0.024 (5 fbg) 0.085 (8fbg)[+]	N.D.	0.048	0.0005

*Depth in ft below grade (fbg) ND = Not Detected VC = Vinyl chloride [+]Saturated soil
[1]U.S. EPA Region IX Preliminary Remediation Goals, 1998

Soil Types: Silty sand
Depth to Groundwater: 7 fbg [measured]

In preparation for the redevelopment of this site, the property owner contracted for an environmental assessment to determine whether or not operations at a tenant dry cleaning facility had impacted the site. Based on preliminary research, a Phase II investigation that consisted of 2 boreholes drilled to depths between 2 ½ and 3 fbg was undertaken in December 1996. One borehole was located near the dry cleaning machine and the other near two salvage drums of spent dry cleaning fluid within the facility. The soil sample collected near the dry cleaning machine showed the presence of PCE at a concentration of 0.17 part per million (mg/kg); the other sample showed PCE at only slightly above the method detection limit. In May 1997, the property owner retained Alaska Petroleum Environmental Engineering (Alaska) to further explore the extent of the impact detected in the earlier investigation. Alaska's inspection of the facility and it surroundings showed that the interior of the dry cleaning shop showed surface staining of the floor tiles where surface fluids may have flowed, in addition to normal wear and tear. Alaska did not find any floor drains or cracks. The areas of potential impact that Alaska observed thus consisted of: (1) a spot near the two drums that contained spent solvents, (2) the dry cleaning machine and the boiler room toward which surface fluids could have flowed, and (3) a strip of degraded asphalt at the exterior rear portion of the facility.

After site inspection, Alaska installed seven (7) geoprobe holes as follows: (a) within the facility, one each near the drum storage area and the dry cleaning machine, in the boiler room and at the center of the facility south of the dry cleaning machine—the latter being so located to delimit the lateral extent of impact in this direction ; and (b) outside the facility, one each at the rear of the facility (adjacent to the boiler room) that had a noticeable asphalt etching, in front of the facility just in front of the cleaners, and in the parking lot farther east of the latter borehole—the last two to discover any other potential outdoor release point. Soil samples were generally collected from every 2 ft of depth, with additional samples obtained when so warranted by analytical results of the previous ones. Samples from the drum storage area (borehole BK1) and from the borehole near the facility's center (BK4) were obtained at 2 and 4 fbg; the boiler room borehole (BK2) was sampled at 2, 4 and 6 fbg; while samples were collected from the borehole adjacent to the dry cleaning machine (BK3) at depths of 2, 4, 6, and 10 fbg. Only a shallow sample was obtained from each of (a) the exterior borehole at the rear of the facility

[@ 2 fbg] and (b) the 2 boreholes in front of the facility [@ 5 fbg]. All soil samples were analyzed for halogenated volatile organics by EPA Method 8010, except for the samples from the boreholes in front of the building which—due to the absence of field indications of contamination, as well as their distance from the primary source of release—were not analyzed at all. Maximum contamination was encountered in the boring near the dry cleaning machine, the probable source of contamination.

Based on the results of this investigation, remedial action through excavation of the source area was undertaken. A total of 65 cubic yards of impacted soil was removed from an excavation 14 ft-20 ft wide by 23 ft long by 7 ft deep and stockpiled at the rear of the facility. Approximately 2,000 gallons of shallow, perched groundwater was also removed and sampled on two separate occasions (then transported to the Demenno Kerdoon facility in Compton, CA for recycling) to allow further removal of residual contamination at the base of the excavation. Of the eighteen initial confirmation samples from the excavation walls and floor, 6 locations showed unacceptable residual contamination and had to be re-excavated until subsequent re-sampling indicated minimal residual impact. A third and final groundwater sample obtained from the pit showed the presence of only PCE at a concentration of 36 ug/l. A total of eighteen samples were also obtained on three separate rounds from the soil stockpile: the first after initial stockpiling, the second after relocation of the pile (to allow access for servicing the main electrical panel) and addition of more excavated impacted soil, and a final one to complete the 'confirmation sampling' process. Soil pile samples were analyzed for halogenated hydrocarbons by EPA Method 8010: a maximum PCE concentration of 3.2 mg/kg was detected at the northern nose of the pile where a small volume (1/3 cubic yard) of highly impacted (sludgy) soil from a cast iron pipe extracted at 3 fbg from the east excavation wall had been placed.

Three additional confirmation samples were obtained, with Agency staff direction, from the accessible 'worst-case' spots in the excavation, but no samples were obtained from the bottom of the water-filled pit. All samples were analyzed by EPA Method 8010 and none showed any detectable contamination. Two samples were also obtained from the northern nose of the stockpile where the sludgy soil had been placed: these also showed no detectable contamination. The stockpiled soil had been proposed for use as fill material on site but, because no stockpiled soil remediation had been done to address the impacted soil portion excavated from the pit, Santa Ana Regional Board staff determined that a more comprehensive sampling of the stockpile was necessary to ensure a representative characterization of the soil and to verify and/or identify/segregate possible 'hot spots', if any. An approved (by both OCHCA and Regional Board) sampling plan was thus implemented, where 14 additional stockpile samples were obtained at two depths from each sample location. A backhoe was used because of the unconsolidated nature of the soil, and field-screening with a vapor analyzer (PID) was conducted prior to sample collection. All PID readings were of no detection, and results of the EPA Method 8010 sample analyses showed no detectable contamination.

Results of verification sampling indicate that the excavation undertaken at this site was successful in reducing to minimal levels the residual contamination in the vadose zone, and as much contamination as could be removed from the saturated zone. A risk assessment using this Agency's mass-based model was conducted for this site assuming the maximum residual soil contamination from each of PCE, TCE and vinyl chloride beneath the site to diffuse directly into the building. The combined excess cancer risk was calculated to be at an acceptable level of less than one in a million. It is thus recommended that, since residual site contamination poses no significant threat to human health or safety, no further action be required for this location and that this case be closed and referred to the Santa Ana Regional Board, which is currently evaluating groundwater contamination concerns at the site.

4/14/99

Kevin V. Hoch
4/20/99

Luis Lodrigueza
Hazardous Waste Specialist

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OCHCA MASS-BASED CONTAMINANT AND INCREASED CANCER RISK ASSESSMENT

Site: Sparkling Cleaners	Revised 7/97		
Site contaminant: max Vinyl Chloride conc (in saturated soil) used	3/12/99		
Staff: Lodrigueza	Run #: 1		

TOTAL CONTAMINANT MASS UNDER BUILDING

Cmass-u = Cmass-1u + Cmass-2u + Cmass-3u + ...(Cmass-nu)

NOTE: CALCULATIONS TO DETERMINE VALUES FOR AREA CONTAMINANT CONCENTRATIONS AND SOIL VOLUMES MUST BE ACCCOMPLISHED INDEPENDENT OF THIS SPREADSHEET.

Variables	Units	Inputs	Outputs
(Cmass-u) total mass of contaminant under building = (Cmass-1u) mass of contaminant in area 1u under building + (Cmass-2u) mass of contaminant in area 2u under building + (Cmass-3u) mass of contaminant in area 3u under building	mg		1.53E+04
(Cmass-1u) mass of contaminant in area 1u = (Ct-1u) concentration of contaminant in area 1u * (Smass-1u) mass of soil in area 1u	mg		1.53E+04
(Ct-1u) concentration of contaminant in area 1u **(IF CONTAMINANT MASS UNDER THE BUILDING IS NOT TO BE CALCULATED, INPUT 0)**	mg/kg	0.085	
(Smass-1u) mass of soil in area 1 = (Bd-1u) bulk density of soil in area 1u * (Vs-1u) vol. of soil in area 1u * unit conversion factor (10^6 cm^3 / 1 m^3 * 1 kg / 10^3 g)	kg		1.81E+05
(Vs-1u) volume of soil in area 1u	m^3	121	
(Bd-1u) bulk density of area 1u = (Pd-1u) particle density of area 1u - [Pd-1u * (Pt-1u) total porosity of area 1u]	g/cm^3		1.49
(Pd-1u) particle density of area 1u (use 2.65 as default)	g/cm^3	2.65	
(Pt-1u) total porosity of area 1u	cm^3/cm^3	0.437	
(Cmass-2u) mass of contaminant in area 2u = (Ct-2u) concentration of contaminant in area 2u * (Smass-2u) mass of soil in area 2u	mg		0.00E+00
(Ct-2u) concentration of contaminant in area 2u **(INPUT 0 IF ONLY ONE AREA OF CONTAMINANT MASS UNDER THE BUILDING IS TO BE CALCULATED, OR IF ONLY CONTAMINANT MASS OUTSIDE OF THE BUILDING FOOTPRINT IS TO BE CALCULATED)**	mg/kg	0	
(Smass-2u) mass of soil in area 2u = (Bd-2u) bulk density of soil in area 2u * (Vs-2u) vol. of soil in area 2u * unit conversion factor (10^6 cm^3 / 1 m^3 * 1 kg / 10^3 g)	kg		0.00E+00
(Vs-2u) soil volume of area 2u	m^3		
(Bd-2u) bulk density of area 2u = (Pd-2u) particle density of area 2u - [Pd-2u * (Pt-2u) total porosity of area 2u]	g/cm^3		2.65
(Pd-2u) particle density of area 2u (use 2.65 as default)	g/cm^3	2.65	
(Pt-2u) total porosity of area 2u	cm^3/cm^3		
(Cmass-3u) mass of contaminant in area 3u = (Ct-3u) concentration of contaminant in area 3u * (Smass-3u) mass of soil in area 3u	mg		0.00E+00
(Ct-3u) concentration of contaminant in area 3u **(INPUT 0 IF ONLY TWO AREAS OF SOIL MASS UNDER THE BUILDING ARE TO BE CALCULATED, OR IF ONLY CONTAMINANT MASS OUTSIDE THE BUILDING FOOTPRINT IS TO BE CALCULATED)**	mg/kg	0	

(Smass-3u) mass of soil in area 3 = (Bd-3u) bulk density of soil in area 3u * (Vs-3u) volume of soil in area 3u * unit conversion factor (10^6 cm / 1 m^3 * 1 kg / 10^3 g)	kg		0.00E+00
(Vs-3u) soil volume of area 3u	m^3		
(Bd-3u) bulk density of area 3u = (Pd-3u) particle density of area 3u - [Pd-3u * (Pt-3u) total porosity of area 3u]	g/cm^3		2.65
(Pd-3u) particle density of area 3u (use 2.65 as default)	g/cm^3	2.65	
(Pt-3u) total porosity of area 3u	cm^3/cm^3		

TOTAL CONTAMINANT MASS OUTSIDE OF BUILDING FOOTPRINT

Cmass-o = Cmass-1o + Cmass-2o + Cmass-3o + ...(Cmass-no)

NOTE: CALCULATIONS TO DETERMINE VALUES FOR AREA CONTAMINANT CONCENTRATIONS AND SOIL VOLUMES MUST BE ACCCOMPLISHED INDEPENDENT OF THIS SPREADSHEET.

Variables	Units	Inputs	Outputs
(Cmass-o) total mass of contaminant outside building footprint = (Cmass-1o) mass of contaminant in area 1o outside building + (Cmass-2o) mass in area 2o outside building + (Cmass-3o) mass in area 3o outside building.	mg		0.00E+00
(Cmass-1o) mass of contaminant in area 1o = (Ct-1o) concentration of contaminant in area 1o * (Smass-1o) mass of soil in area 1o	mg		0.00E+00
(Ct-1o) concentration of contaminant in area 1o **(IF CONTAMINANT MASS OUTSIDE THE BUILDING FOOTPRINT IS NOT TO BE CALCULATED, INPUT 0)**	mg/kg	0	
(Smass-1o) mass of soil in area 3o = (Bd-1o) bulk density of soil in area 1o * (Vs-1o) volume of soil in area 1o * unit conversion factor (10^6 cm^3 / 1m^3 * 1kg / 10^3 g)	kg		2.78E+03
(Vs-1o) volume of soil in area 1o	m^3	1.05	
(Bd-1o) bulk density of area 1o = (Pd-1o) particle density of area 1o - [Pd-1o * (Pt-1o) total porosity of area 1o]	g/cm^3		2.65
(Pd-1o) particle density of area 1o (use 2.65 as default)	g/cm^3	2.65	
(Pt-1o) total porosity of area 1o	cm^3/cm^3		
(Cmass-2o) mass of contaminant in area 2o = (Ct-2o) concentration of contaminant in area 2o * (Smass-2o) mass of soil in area 2o	mg		0.00E+00
(Ct-2o) concentration of contaminant in area 2o **(IF CONTAMINANT MASS OUTSIDE THE BUILDING FOOTPRINT IS NOT CALCULATED, OR IF ONLY THE CONTAMINANT MASS FOR OUTSIDE AREA 1 IS TO BE CALCULATED, INPUT 1)**	mg/kg	0	
(Smass-2o) mass of soil in area 2o = (Bd-2o) bulk density of soil in area 2o * (Vs-2o) volume of soil in area 2o * unit conversion factor (10^6 cm^3 / 1m^3 * 1kg / 10^3 g)	kg		2.65E+03
(Vs-2o) volume of soil in area 2o	m^3	1	
(Bd-2o) bulk density of area 2o = (Pd-2o) particle density of area 2o - [Pd-2o * (Pt-2o) total porosity of area 2o]	g/cm^3		2.65
(Pd-2o) particle density of area 2o (use 2.65 as default)	g/cm^3	2.65	
(Pt-2uw) total porosity of area 2uw	cm^3/cm^3		
(Cmass-3o) mass of contaminant in area 3o = (Ct-3o) concentration of contaminant in area 3o * (Smass-3o) mass of soil in area 3o	mg		0.00E+00

(Ct-3o) concentration of contaminant in area 3o **(IF CONTAMINANT MASS OUTSIDE THE BUILDING FOOTPRINT IS NOT CALCULATED, OR IF THE CONTAMINANT MASS FOR ONLY TWO OUTSIDE AREAS IS TO BE CALCULATED, INPUT 0)**	mg/kg	0	
(Smass-3o) mass of soil in area 3o = (Bd-3o) bulk density of soil in area 3o * (Vs-3o) volume of soil in area 3o * unit conversion factor (10^6 cm^3/1m^3 * 1kg/10^3 g)	kg		0.00E+00
(Vs-3o) volume of soil in area 3o	m^3		
(Bd-3o) bulk density of area 3o = (Pd-3o) particle density of area 3o - [Pd-3o * (Pt-3o) total porosity of area 3o]	g/cm^3		2.65
(Pd-3o) particle density of area 3o (use 2.65 as default)	g/cm^3	2.65	
(Pt-3o) total porosity of area 3o	cm^3/cm^3		

INTAKE (INHALATION) OF VAPOR PHASE

Intake = {[(Cmass-o / u * h * W) + (Cmass-u * b / V * E)] * IR * ET * EF * Unit Conversion Factor (years / sec)} / BW * AT

Variables	Units	Inputs	Outputs
(Cmass-o) mass of contaminant entering building via the atmosphere which received the contaminant via diffusion from contaminated soil located outside building footprint	mg		0.00E+00
(Cmass-0.5o) mass of contamination directed under building by continuous surface paving from contaminated soil located outside building footprint **(ENTER 1 IF PAVED AREA DIRECTS VAPORS BELOW BUILDING, OR 0 IF AREA NOT PAVED)**	mg	0	0.00E+00
(u) mean wind speed	m/sec	2.25	1.00
(h) height of ambient air mixing zone (e.g. height of window or ventilation system intake)	m	3.40	1.00
(W) width of the source area outside building	m	21.00	1.00
(Cmass-u) total mass of contaminant under building	mg		1.20E+04
(b) attenuation factor	dimensionless	0.001	
(V) volume of building	m^3	262.00	262.00
(E) exchange rate	bldg. vol./sec	5.56E-04	5.56E-04
(IR) daily intake rate (use reference for default value)	m^3/day	20	
(ET) exposure time	hrs/24 hrs	10	0.42
(EF) exposure frequency (use reference for default value)	days/yr	250	
(BW) body weight (use reference for default value)	kg	70	
(AT) averaging time	days	2.55E+04	
intake	mg/kg-day		3.04E-09

EXCESS LIFETIME RISK CALCULATION

EXCESS LIFETIME RISK = SL0PE FACTOR * UNITS OF EXPOSURE

Variables	Units	Inputs	Outputs
carcinogenic slope factor (potency factor)	1/mg/kg/day	0.270	
units of exposure (from intake calculation above)	mg/kg/day		3.04E-09
excess lifetime cancer risk	dimensionless		8.22E-10

OCHCA MASS-BASED CONTAMINANT AND INCREASED CANCER RISK ASSESSMENT

Site: Sparkling Cleaners	Revised 7/97		
Site contaminant: max PCE (saturated soil conc) used	3/12/99		
Staff: Lodrigueza	Run #: 1		

TOTAL CONTAMINANT MASS UNDER BUILDING

Cmass-u = Cmass-1u + Cmass-2u + Cmass-3u + ...(Cmass-nu)

NOTE: CALCULATIONS TO DETERMINE VALUES FOR AREA CONTAMINANT CONCENTRATIONS AND SOIL VOLUMES MUST BE ACCCOMPLISHED INDEPENDENT OF THIS SPREADSHEET.

Variables	Units	Inputs	Outputs
(Cmass-u) total mass of contaminant under building = (Cmass-1u) mass of contaminant in area 1u under building + (Cmass-2u) mass of contaminant in area 2u under building + (Cmass-3u) mass of contaminant in area 3u under building	mg		3.07E+04
(Cmass-1u) mass of contaminant in area 1u = (Ct-1u) concentration of contaminant in area 1u * (Smass-1u) mass of soil in area 1u	mg		3.07E+04
(Ct-1u) concentration of contaminant in area 1u **(IF CONTAMINANT MASS UNDER THE BUILDING IS NOT TO BE CALCULATED, INPUT 0)**	mg/kg	0.17	
(Smass-1u) mass of soil in area 1 = (Bd-1u) bulk density of soil in area 1u * (Vs-1u) vol. of soil in area 1u * unit conversion factor (10^6 cm^3 / 1 m^3 * 1 kg / 10^3 g)	kg		1.81E+05
(Vs-1u) volume of soil in area 1u	m^3	121	
(Bd-1u) bulk density of area 1u = (Pd-1u) particle density of area 1u - [Pd-1u * (Pt-1u) total porosity of area 1u]	g/cm^3		1.49
(Pd-1u) particle density of area 1u (use 2.65 as default)	g/cm^3	2.65	
(Pt-1u) total porosity of area 1u	cm^3/cm^3	0.437	
(Cmass-2u) mass of contaminant in area 2u = (Ct-2u) concentration of contaminant in area 2u * (Smass-2u) mass of soil in area 2u	mg		0.00E+00
(Ct-2u) concentration of contaminant in area 2u **(INPUT 0 IF ONLY ONE AREA OF CONTAMINANT MASS UNDER THE BUILDING IS TO BE CALCULATED, OR IF ONLY CONTAMINANT MASS OUTSIDE OF THE BUILDING FOOTPRINT IS TO BE CALCULATED)**	mg/kg	0	
(Smass-2u) mass of soil in area 2u = (Bd-2u) bulk density of soil in area 2u * (Vs-2u) vol. of soil in area 2u * unit conversion factor (10^6 cm^3 / 1 m^3 * 1 kg / 10^3 g)	kg		0.00E+00
(Vs-2u) soil volume of area 2u	m^3		
(Bd-2u) bulk density of area 2u = (Pd-2u) particle density of area 2u - [Pd-2u * (Pt-2u) total porosity of area 2u]	g/cm^3		2.65
(Pd-2u) particle density of area 2u (use 2.65 as default)	g/cm^3	2.65	
(Pt-2u) total porosity of area 2u	cm^3/cm^3		
(Cmass-3u) mass of contaminant in area 3u = (Ct-3u) concentration of contaminant in area 3u * (Smass-3u) mass of soil in area 3u	mg		0.00E+00
(Ct-3u) concentration of contaminant in area 3u **(INPUT 0 IF ONLY TWO AREAS OF SOIL MASS UNDER THE BUILDING ARE TO BE CALCULATED, OR IF ONLY CONTAMINANT MASS OUTSIDE THE BUILDING FOOTPRINT IS TO BE CALCULATED)**	mg/kg	0	

(Smass-3u) mass of soil in area 3 = (Bd-3u) bulk density of soil in area 3u * (Vs-3u) volume of soil in area 3u * unit conversion factor (10^6 cm / 1 m^3 * 1 kg / 10^3 g)	kg		0.00E+00
(Vs-3u) soil volume of area 3u	m^3		
(Bd-3u) bulk density of area 3u = (Pd-3u) particle density of area 3u - [Pd-3u * (Pt-3u) total porosity of area 3u]	g/cm^3		2.65
(Pd-3u) particle density of area 3u (use 2.65 as default)	g/cm^3	2.65	
(Pt-3u) total porosity of area 3u	cm^3/cm^3		

TOTAL CONTAMINANT MASS OUTSIDE OF BUILDING FOOTPRINT

Cmass-o = Cmass-1o + Cmass-2o + Cmass-3o + ...(Cmass-no)

NOTE: CALCULATIONS TO DETERMINE VALUES FOR AREA CONTAMINANT CONCENTRATIONS AND SOIL VOLUMES MUST BE ACCCOMPLISHED INDEPENDENT OF THIS SPREADSHEET.

Variables	Units	Inputs	Outputs
(Cmass-o) total mass of contaminant outside building footprint = (Cmass-1o) mass of contaminant in area 1o outside building + (Cmass-2o) mass in area 2o outside building + (Cmass-3o) mass in area 3o outside building.	mg		0.00E+00
(Cmass-1o) mass of contaminant in area 1o = (Ct-1o) concentration of contaminant in area 1o * (Smass-1o) mass of soil in area 1o	mg		0.00E+00
(Ct-1o) concentration of contaminant in area 1o **(IF CONTAMINANT MASS OUTSIDE THE BUILDING FOOTPRINT IS NOT TO BE CALCULATED, INPUT 0)**	mg/kg	0	
(Smass-1o) mass of soil in area 3o = (Bd-1o) bulk density of soil in area 1o * (Vs-1o) volume of soil in area 1o * unit conversion factor (10^6 cm^3 / 1m^3 * 1kg / 10^3 g)	kg		2.78E+03
(Vs-1o) volume of soil in area 1o	m^3	1.05	
(Bd-1o) bulk density of area 1o = (Pd-1o) particle density of area 1o - [Pd-1o * (Pt-1o) total porosity of area 1o]	g/cm^3		2.65
(Pd-1o) particle density of area 1o (use 2.65 as default)	g/cm^3	2.65	
(Pt-1o) total porosity of area 1o	cm^3/cm^3		
(Cmass-2o) mass of contaminant in area 2o = (Ct-2o) concentration of contaminant in area 2o * (Smass-2o) mass of soil in area 2o	mg		0.00E+00
(Ct-2o) concentration of contaminant in area 2o **(IF CONTAMINANT MASS OUTSIDE THE BUILDING FOOTPRINT IS NOT CALCULATED, OR IF ONLY THE CONTAMINANT MASS FOR OUTSIDE AREA 1 IS TO BE CALCULATED, INPUT 1)**	mg/kg	0	
(Smass-2o) mass of soil in area 2o = (Bd-2o) bulk density of soil in area 2o * (Vs-2o) volume of soil in area 2o * unit conversion factor (10^6 cm^3 / 1m^3 * 1kg / 10^3 g)	kg		2.65E+03
(Vs-2o) volume of soil in area 2o	m^3	1	
(Bd-2o) bulk density of area 2o = (Pd-2o) particle density of area 2o - [Pd-2o * (Pt-2o) total porosity of area 2o]	g/cm^3		2.65
(Pd-2o) particle density of area 2o (use 2.65 as default)	g/cm^3	2.65	
(Pt-2uw) total porosity of area 2uw	cm^3/cm^3		
(Cmass-3o) mass of contaminant in area 3o = (Ct-3o) concentration of contaminant in area 3o * (Smass-3o) mass of soil in area 3o	mg		0.00E+00

(Ct-3o) concentration of contaminant in area 3o **(IF CONTAMINANT MASS OUTSIDE THE BUILDING FOOTPRINT IS NOT CALCULATED, OR IF THE CONTAMINANT MASS FOR ONLY TWO OUTSIDE AREAS IS TO BE CALCULATED, INPUT 0)**	mg/kg	0	
(Smass-3o) mass of soil in area 3o = (Bd-3o) bulk density of soil in area 3o * (Vs-3o) volume of soil in area 3o * unit conversion factor (10^6 cm^3/1m^3 * 1kg/10^3 g)	kg		0.00E+00
(Vs-3o) volume of soil in area 3o	m^3		
(Bd-3o) bulk density of area 3o = (Pd-3o) particle density of area 3o - [Pd-3o * (Pt-3o) total porosity of area 3o]	g/cm^3		2.65
(Pd-3o) particle density of area 3o (use 2.65 as default)	g/cm^3	2.65	
(Pt-3o) total porosity of area 3o	cm^3/cm^3		

INTAKE (INHALATION) OF VAPOR PHASE

Intake = {[(Cmass-o / u * h * W) + (Cmass-u * b / V * E)] * IR * ET * EF * Unit Conversion Factor (years / sec)} / BW * AT

Variables	Units	Inputs	Outputs
(Cmass-o) mass of contaminant entering building via the atmosphere which received the contaminant via diffusion from contaminated soil located outside building footprint	mg		0.00E+00
(Cmass-0.5o) mass of contamination directed under building by continuous surface paving from contaminated soil located outside building footprint **(ENTER 1 IF PAVED AREA DIRECTS VAPORS BELOW BUILDING, OR 0 IF AREA NOT PAVED)**	mg	0	0.00E+00
(u) mean wind speed	m/sec	2.25	1.00
(h) height of ambient air mixing zone (e.g. height of window or ventilation system intake)	m	3.40	1.00
(W) width of the source area outside building	m	21.00	1.00
(Cmass-u) total mass of contaminant under building	mg		2.40E+04
(b) attenuation factor	dimensionless	0.001	
(V) volume of building	m^3	262.00	262.00
(E) exchange rate	bldg. vol./sec	5.56E-04	5.56E-04
(IR) daily intake rate (use reference for default value)	m^3/day	20	
(ET) exposure time	hrs/24 hrs	10	0.42
(EF) exposure frequency (use reference for default value)	days/yr	250	
(BW) body weight (use reference for default value)	kg	70	
(AT) averaging time	days	2.55E+04	
intake	mg/kg-day		6.09E-09

EXCESS LIFETIME RISK CALCULATION

EXCESS LIFETIME RISK = SL0PE FACTOR * UNITS OF EXPOSURE

Variables	Units	Inputs	Outputs
carcinogenic slope factor (potency factor)	1/mg/kg/day	0.021	
units of exposure (from intake calculation above)	mg/kg/day		6.09E-09
excess lifetime cancer risk	dimensionless		1.28E-10

OCHCA MASS-BASED CONTAMINANT AND INCREASED CANCER RISK ASSESSMENT

Site: Sparkling Cleaners	Revised 7/97		
Site contaminant: max TCE (saturated soil conc) used	3/12/99		
Staff: Lodrigueza	Run #: 1		

TOTAL CONTAMINANT MASS UNDER BUILDING

Cmass-u = Cmass-1u + Cmass-2u + Cmass-3u + ...(Cmass-nu)

NOTE: CALCULATIONS TO DETERMINE VALUES FOR AREA CONTAMINANT CONCENTRATIONS AND SOIL VOLUMES MUST BE ACCCOMPLISHED INDEPENDENT OF THIS SPREADSHEET.

Variables	Units	Inputs	Outputs
(Cmass-u) total mass of contaminant under building = (Cmass-1u) mass of contaminant in area 1u under building + (Cmass-2u) mass of contaminant in area 2u under building + (Cmass-3u) mass of contaminant in area 3u under building	mg		1.64E+04
(Cmass-1u) mass of contaminant in area 1u = (Ct-1u) concentration of contaminant in area 1u * (Smass-1u) mass of soil in area 1u	mg		1.64E+04
(Ct-1u) concentration of contaminant in area 1u **(IF CONTAMINANT MASS UNDER THE BUILDING IS NOT TO BE CALCULATED, INPUT 0)**	mg/kg	0.091	
(Smass-1u) mass of soil in area 1 = (Bd-1u) bulk density of soil in area 1u * (Vs-1u) vol. of soil in area 1u * unit conversion factor (10^6 cm^3 / 1 m^3 * 1 kg / 10^3 g)	kg		1.81E+05
(Vs-1u) volume of soil in area 1u	m^3	121	
(Bd-1u) bulk density of area 1u = (Pd-1u) particle density of area 1u - [Pd-1u * (Pt-1u) total porosity of area 1u]	g/cm^3		1.49
(Pd-1u) particle density of area 1u (use 2.65 as default)	g/cm^3	2.65	
(Pt-1u) total porosity of area 1u	cm^3/cm^3	0.437	
(Cmass-2u) mass of contaminant in area 2u = (Ct-2u) concentration of contaminant in area 2u * (Smass-2u) mass of soil in area 2u	mg		0.00E+00
(Ct-2u) concentration of contaminant in area 2u **(INPUT 0 IF ONLY ONE AREA OF CONTAMINANT MASS UNDER THE BUILDING IS TO BE CALCULATED, OR IF ONLY CONTAMINANT MASS OUTSIDE OF THE BUILDING FOOTPRINT IS TO BE CALCULATED)**	mg/kg	0	
(Smass-2u) mass of soil in area 2u = (Bd-2u) bulk density of soil in area 2u * (Vs-2u) vol. of soil in area 2u * unit conversion factor (10^6 cm^3 / 1 m^3 * 1 kg / 10^3 g)	kg		0.00E+00
(Vs-2u) soil volume of area 2u	m^3		
(Bd-2u) bulk density of area 2u = (Pd-2u) particle density of area 2u - [Pd-2u * (Pt-2u) total porosity of area 2u]	g/cm^3		2.65
(Pd-2u) particle density of area 2u (use 2.65 as default)	g/cm^3	2.65	
(Pt-2u) total porosity of area 2u	cm^3/cm^3		
(Cmass-3u) mass of contaminant in area 3u = (Ct-3u) concentration of contaminant in area 3u * (Smass-3u) mass of soil in area 3u	mg		0.00E+00
(Ct-3u) concentration of contaminant in area 3u **(INPUT 0 IF ONLY TWO AREAS OF SOIL MASS UNDER THE BUILDING ARE TO BE CALCULATED, OR IF ONLY CONTAMINANT MASS OUTSIDE THE BUILDING FOOTPRINT IS TO BE CALCULATED)**	mg/kg	0	

(Smass-3u) mass of soil in area 3 = (Bd-3u) bulk density of soil in area 3u * (Vs-3u) volume of soil in area 3u * unit conversion factor (10^6 cm / 1 m^3 * 1 kg / 10^3 g)	kg		0.00E+00
(Vs-3u) soil volume of area 3u	m^3		
(Bd-3u) bulk density of area 3u = (Pd-3u) particle density of area 3u - [Pd-3u * (Pt-3u) total porosity of area 3u]	g/cm^3		2.65
(Pd-3u) particle density of area 3u (use 2.65 as default)	g/cm^3	2.65	
(Pt-3u) total porosity of area 3u	cm^3/cm^3		

TOTAL CONTAMINANT MASS OUTSIDE OF BUILDING FOOTPRINT

Cmass-o = Cmass-1o + Cmass-2o + Cmass-3o + ...(Cmass-no)

NOTE: CALCULATIONS TO DETERMINE VALUES FOR AREA CONTAMINANT CONCENTRATIONS AND SOIL VOLUMES MUST BE ACCCOMPLISHED INDEPENDENT OF THIS SPREADSHEET.

Variables	Units	Inputs	Outputs
(Cmass-o) total mass of contaminant outside building footprint = (Cmass-1o) mass of contaminant in area 1o outside building + (Cmass-2o) mass in area 2o outside building + (Cmass-3o) mass in area 3o outside building.	mg		0.00E+00
(Cmass-1o) mass of contaminant in area 1o = (Ct-1o) concentration of contaminant in area 1o * (Smass-1o) mass of soil in area 1o	mg		0.00E+00
(Ct-1o) concentration of contaminant in area 1o **(IF CONTAMINANT MASS OUTSIDE THE BUILDING FOOTPRINT IS NOT TO BE CALCULATED, INPUT 0)**	mg/kg	0	
(Smass-1o) mass of soil in area 3o = (Bd-1o) bulk density of soil in area 1o * (Vs-1o) volume of soil in area 1o * unit conversion factor (10^6 cm^3 / 1m^3 * 1kg / 10^3 g)	kg		2.78E+03
(Vs-1o) volume of soil in area 1o	m^3	1.05	
(Bd-1o) bulk density of area 1o = (Pd-1o) particle density of area 1o - [Pd-1o * (Pt-1o) total porosity of area 1o]	g/cm^3		2.65
(Pd-1o) particle density of area 1o (use 2.65 as default)	g/cm^3	2.65	
(Pt-1o) total porosity of area 1o	cm^3/cm^3		
(Cmass-2o) mass of contaminant in area 2o = (Ct-2o) concentration of contaminant in area 2o * (Smass-2o) mass of soil in area 2o	mg		0.00E+00
(Ct-2o) concentration of contaminant in area 2o **(IF CONTAMINANT MASS OUTSIDE THE BUILDING FOOTPRINT IS NOT CALCULATED, OR IF ONLY THE CONTAMINANT MASS FOR OUTSIDE AREA 1 IS TO BE CALCULATED, INPUT 1)**	mg/kg	0	
(Smass-2o) mass of soil in area 2o = (Bd-2o) bulk density of soil in area 2o * (Vs-2o) volume of soil in area 2o * unit conversion factor (10^6 cm^3 / 1m^3 * 1kg / 10^3 g)	kg		2.65E+03
(Vs-2o) volume of soil in area 2o	m^3	1	
(Bd-2o) bulk density of area 2o = (Pd-2o) particle density of area 2o - [Pd-2o * (Pt-2o) total porosity of area 2o]	g/cm^3		2.65
(Pd-2o) particle density of area 2o (use 2.65 as default)	g/cm^3	2.65	
(Pt-2uw) total porosity of area 2uw	cm^3/cm^3		
(Cmass-3o) mass of contaminant in area 3o = (Ct-3o) concentration of contaminant in area 3o * (Smass-3o) mass of soil in area 3o	mg		0.00E+00

(Ct-3o) concentration of contaminant in area 3o **(IF CONTAMINANT MASS OUTSIDE THE BUILDING FOOTPRINT IS NOT CALCULATED, OR IF THE CONTAMINANT MASS FOR ONLY TWO OUTSIDE AREAS IS TO BE CALCULATED, INPUT 0)**	mg/kg	0	
(Smass-3o) mass of soil in area 3o = (Bd-3o) bulk density of soil in area 3o * (Vs-3o) volume of soil in area 3o * unit conversion factor (10^6 cm^3/1m^3 * 1kg/10^3 g)	kg		0.00E+00
(Vs-3o) volume of soil in area 3o	m^3		
(Bd-3o) bulk density of area 3o = (Pd-3o) particle density of area 3o - [Pd-3o * (Pt-3o) total porosity of area 3o]	g/cm^3		2.65
(Pd-3o) particle density of area 3o (use 2.65 as default)	g/cm^3	2.65	
(Pt-3o) total porosity of area 3o	cm^3/cm^3		

INTAKE (INHALATION) OF VAPOR PHASE

Intake = {[(Cmass-o / u * h * W) + (Cmass-u * b / V * E)] * IR * ET * EF * Unit Conversion Factor (years / sec)} / BW * AT

Variables	Units	Inputs	Outputs
(Cmass-o) mass of contaminant entering building via the atmosphere which received the contaminant via diffusion from contaminated soil located outside building footprint	mg		0.00E+00
(Cmass-0.5o) mass of contamination directed under building by continuous surface paving from contaminated soil located outside building footprint **(ENTER 1 IF PAVED AREA DIRECTS VAPORS BELOW BUILDING, OR 0 IF AREA NOT PAVED)**	mg	0	0.00E+00
(u) mean wind speed	m/sec	2.25	1.00
(h) height of ambient air mixing zone (e.g. height of window or ventilation system intake)	m	3.40	1.00
(W) width of the source area outside building	m	21.00	1.00
(Cmass-u) total mass of contaminant under building	mg		1.64E+04
(b) attenuation factor	dimensionless	0.001	
(V) volume of building	m^3	262.00	262.00
(E) exchange rate	bldg. vol./sec	5.56E-04	5.56E-04
(IR) daily intake rate (use reference for default value)	m^3/day	20	
(ET) exposure time	hrs/24 hrs	10	0.42
(EF) exposure frequency (use reference for default value)	days/yr	250	
(BW) body weight (use reference for default value)	kg	70	
(AT) averaging time	days	2.55E+04	
intake	mg/kg-day		4.17E-09

EXCESS LIFETIME RISK CALCULATION

EXCESS LIFETIME RISK = SL0PE FACTOR * UNITS OF EXPOSURE

Variables	Units	Inputs	Outputs
carcinogenic slope factor (potency factor)	1/mg/kg/day	0.010	
units of exposure (from intake calculation above)	mg/kg/day		4.17E-09
excess lifetime cancer risk	dimensionless		4.17E-11

CHAIN OF CUSTODY
Orange County Health Care Agency
Environmental Health Division
2009 E. Edinger Ave., Santa Ana, CA 92705
Telephone: (714) 667-3700

#4875

1. ALL SAMPLES ARE TO BE HANDLED AS COURT EVIDENCE, AND ARE TO BE PROPERLY STORED IN A SECURE LOCATION.

2. PLEASE WRITE LEGIBLY.

3. ATTACH THIS FORM TO THE ORIGINAL REPORT OF THE ANALYTICAL RESULTS AND RETURN THEM TO THIS OFFICE. LABORATORY RESULTS RECEIVED WITHOUT PROPER CHAIN OF CUSTODY DOCUMENTATION WILL NOT BE ACCEPTED.

4. TO BE COMPLETED BY LABORATORY ANALYST

LAB NO.: 2200

DATE RECEIVED: 3-25-99

SAMPLE(S) CONDITION (PLEASE CHECK):

CHILLED: ✓ COUNTY SEAL(S) INTACT: ✓

CONTAINER IN GOOD CONDITION: ✓

DATE ANALYSIS COMPLETED: 3-29-99

ANALYST: Weh

5. TO BE COMPLETED BY SAMPLE COLLECTOR

SITE NAME/ADDRESS: Four Sparkling Cleaners Valley View St @ Chapman, G.G. 99IC01

DATE OF COLLECTION: 3-24-99

SAMPLE COLLECTOR/COMPANY: Alaska Petrol. Glenn Stillman

TELEPHONE NO.: (714) 897-2733

HCA REPRESENTATIVE: Luis Lodriguera

6.

SAMPLE NUMBER	DETERMINATION REQUESTED	SAMPLE DESCRIPTION/COMMENTS	TIME OF COLLECTION
SP4(2)-3 ; SP4(2)-5'	→ EPA Method 8010 (chlo. HC) for all samples	32749	1:30/1:32
SP12(4)-4' ; SP12(4)-6'	Stockpiled Soil	32750	1:37/1:43
SP20(2)-4' ; SP20(2)-6'		32751	1:57/1:53
SP12(2E)-4' ; SP12(2E)-6'		32752	2:03/2:05
SP20(3E)-4' ; SP20(3E)-6'		32753	2:10/2:30
SP28(2W)-4' ; SP28(2W)-6'		32754	2:46
SP28(4E)-4' ; SP28(4E)-6'		32755	2:

14 total (6)

7. CHAIN OF CUSTODY

	SIGNATURE	COMPANY/AGENCY	INCLUSIVE DATES/TIMES
1.	[signature]	HCA - EHD	3-24-99 . 2:54
2.	[signature]	Alaska Petroleum Env Eng	3/24/99 . 3/29/99
3.	[signature]	ASL	3-25-99 . 1:50
4.			-
5.			-
6.			-

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PINK-CONTRACTOR/CONSULTANT COPY, GOLDENROD-OFFICE COPY

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ENVIRONMENTAL HEALTH

CHAIN OF CUSTODY
Orange County Health Care Agency
Environmental Health Division
2009 E. Edinger Ave., Santa Ana, CA 92705
Telephone: (714) 667-3700

1. **ALL SAMPLES ARE TO BE HANDLED AS COURT EVIDENCE, AND ARE TO BE PROPERLY STORED IN A SECURE LOCATION.**

2. **PLEASE WRITE LEGIBLY.**

3. **ATTACH THIS FORM TO THE ORIGINAL REPORT OF THE ANALYTICAL RESULTS AND RETURN THEM TO THIS OFFICE. LABORATORY RESULTS RECEIVED WITHOUT PROPER CHAIN OF CUSTODY DOCUMENTATION WILL NOT BE ACCEPTED.**

4. **TO BE COMPLETED BY LABORATORY ANALYST**

LAB NO.: _____

DATE RECEIVED: _____

SAMPLE(S) CONDITION (PLEASE CHECK):

CHILLED: _____ **COUNTY SEAL(S) INTACT:** _____

CONTAINER IN GOOD CONDITION: _____

DATE ANALYSIS COMPLETED: _____

ANALYST: _____

5. **TO BE COMPLETED BY SAMPLE COLLECTOR**

SITE NAME/ADDRESS: [illegible]
Valley View St. Cypress Ca. 90630

DATE OF COLLECTION: 3-26-99

SAMPLE COLLECTOR/COMPANY: [illegible]
Glenn Stevens

TELEPHONE NO.: _____

HCA REPRESENTATIVE: Luis Lodriguez

6.

SAMPLE NUMBER	DETERMINATION REQUESTED	SAMPLE DESCRIPTION/COMMENTS	TIME OF COLLECTION
SP21(E)-8	SP21(E)-8'	[illegible]	1:30/1:32
SP12(W)-6'	SP12(W)-6'	Stained Soil	1:31/1:33
SP20(S)-6'	SP20(S)-6'		1:51/1:53
SP12(E)-6'	SP12(E)-6'		2:03/2:05
SP20(E)-6'	SP20(E)-6'		2:45/2:50
SP08(SW)-6'	SP08(SW)-6'		2:06
SP26(NE)-6'	SP26(NE)-6'		2:

7. **CHAIN OF CUSTODY**

	SIGNATURE	COMPANY/AGENCY	INCLUSIVE DATES/TIMES
1.	[illegible]	HA - EHD	3-26-99 . 2:50
2.	[illegible]	[illegible]	3/1/09 -
3.			-
4.			-
5.			-
6.			-

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AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

Alaska Petroleum Envir. Engineerin
P.O.Box 5365
12802 Valley View St. #9
Garden Grove, CA 92846-0365

Attn : Glen Stillman
Phone: 714/897-2733

Number of Pages: 9
Date Received : 03/25/99
Date Reported : 04/01/99

ASL Job Number: 4875

Site: Former Sparkling Cleaners
Valley View @ Chapman

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Enclosed are the results of analyses on 7 soil samples analyzed as specified on attached chain of custody.

Checked By _____

Approved By _____
ROJERT G. ARAGHI
LABORATORY DIRECTOR

3225 San Fernando Road, Los Angeles, California 90065 • (323) 254-7700, Fax: (323) 254-7799

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AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4875

Report To: (ALASKA)
Alaska Petroleum Envir. Engineerin
P.O.Box 5365
12802 Valley View St. #9
Garden Grove, CA 92846-0365

Site:
Former Sparkling Cleaners
Valley View @ Chapman

Attn: Glen Stillman

Phone: 714/897-2733

Method: (8010)
Halogenated Volatiles
Matrix: Soil
Units: ug/kg

Lab ID:	32749	
Sample No:	SP4(2)-3'	
Date Sampled:	03/24/99	
Date Extracted:	03/31/99	
Date Analyzed:	03/31/99	
		Detection Limit
Bromobenzene	ND	5
Bromodichloromethane	ND	5
Bromoform	ND	10
Bromomethane	ND	10
Carbon Tetrachloride	ND	5
Chlorobenzene	ND	5
Chloroethane	ND	10
Chloroform	ND	5
Chloromethane	ND	10
Dibromochloromethane	ND	5
Dibromomethane	ND	5
1,2 Dichlorobenzene	ND	5
1,3 Dichlorobenzene	ND	5
1,4 Dichlorobenzene	ND	5
Dichlorodifluoromethane	ND	10
1,1 Dichloroethane	ND	5
1,2 Dichloroethane	ND	5
1,1 Dichloroethene	ND	5
CIS 1,2 Dichloroethene	ND	5
TRNS 1,2 Dichloroethene	ND	5
1,2 Dichloropropane	ND	5
CIS 1,3 Dichloropropene	ND	5
TRNS 1,3 Dichloropropene	ND	5
Methylene Chloride	ND	20
1,1,1,2 Tetrachloroethane	ND	5
1,1,2,2 Tetrachloroethane	ND	5
Tetrachloroethene	ND	5
1,1,1 Trichloroethane	ND	5
1,1,2 Trichloroethane	ND	5
Trichloroethene	ND	5
Trichlorofluoromethane	ND	10
1,2,3 Trichloropropane	ND	5
Vinyl Chloride	ND	10

(Continued)

ND - Not Detected at The Detection Limit

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ENVIRONMENTAL HEALTH

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4875

Quality Control Report

Lab ID: 32749

Surrogate %REC.	
Bromofluorobenzene	114

	Spike %REC.	**Spike DUP. %REC.**	**AVG. RPD**
Chlorobenzene	87	87	< 1
1,1 Dichloroethene	92	91	1.1
Trichloroethene	101	97	4

ND - Not Detected at The Detection Limit

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Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4875

Report To: (ALASKA)
Alaska Petroleum Envir. Engineerin
P.O.Box 5365
12802 Valley View St. #9
Garden Grove, CA 92846-0365

Attn: Glen Stillman

Site:
Former Sparkling Cleaners
Valley View @ Chapman

Phone: 714/897-2733

Method:	(8010) **Halogenated Volatiles**	
Matrix:	Soil	
Units:	ug/kg	
Lab ID:	32750	
Sample No:	SP12(4)-4'	
Date Sampled:	03/24/99	
Date Extracted:	03/27/99	
Date Analyzed:	03/27/99	
		Detection Limit
Bromobenzene	ND	5
Bromodichloromethane	ND	5
Bromoform	ND	10
Bromomethane	ND	10
Carbon Tetrachloride	ND	5
Chlorobenzene	ND	5
Chloroethane	ND	10
Chloroform	ND	5
Chloromethane	ND	10
Dibromochloromethane	ND	5
Dibromomethane	ND	5
1,2 Dichlorobenzene	ND	5
1,3 Dichlorobenzene	ND	5
1,4 Dichlorobenzene	ND	5
Dichlorodifluoromethane	ND	10
1,1 Dichloroethane	ND	5
1,2 Dichloroethane	ND	5
1,1 Dichloroethene	ND	5
CIS 1,2 Dichloroethene	ND	5
TRNS 1,2 Dichloroethene	ND	5
1,2 Dichloropropane	ND	5
CIS 1,3 Dichloropropene	ND	5
TRNS 1,3 Dichloropropene	ND	5
Methylene Chloride	ND	20
1,1,1,2 Tetrachloroethane	ND	5
1,1,2,2 Tetrachloroethane	ND	5
Tetrachloroethene	ND	5
1,1,1 Trichloroethane	ND	5
1,1,2 Trichloroethane	ND	5
Trichloroethene	ND	5
Trichlorofluoromethane	ND	10
1,2,3 Trichloropropane	ND	5
Vinyl Chloride	ND	10

(Continued)

ND - Not Detected at The Detection Limit

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AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4875

Quality Control Report

Lab ID: 32750

Surrogate %REC.	
Bromofluorobenzene	144

	Spike %REC.	**Spike DUP. %REC.**	**AVG. RPD**
Chlorobenzene	87	93	6.7
1,1 Dichloroethene	74	81	9
Trichloroethene	87	92	5.6

ND - Not Detected at The Detection Limit

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ANALYTICAL RESULTS

ASL Job No: 4875

Report To: (ALASKA)
Alaska Petroleum Envir. Engineerin
P.O.Box 5365
12802 Valley View St. #9
Garden Grove, CA 92846-0365

Attn: Glen Stillman

Site:
Former Sparkling Cleaners
Valley View @ Chapman

Phone: 714/897-2733

Method: (8010)
Halogenated Volatiles
Matrix: Soil
Units: ug/kg

Lab ID:	32751	32752	
Sample No:	SP20(2)-4'	SP12(2E)-4'	
Date Sampled:	03/24/99	03/24/99	
Date Extracted:	03/27/99	03/27/99	**Detection**
Date Analyzed:	03/27/99	03/27/99	**Limit**
Bromobenzene	ND	ND	5
Bromodichloromethane	ND	ND	5
Bromoform	ND	ND	10
Bromomethane	ND	ND	10
Carbon Tetrachloride	ND	ND	5
Chlorobenzene	ND	ND	5
Chloroethane	ND	ND	10
Chloroform	ND	ND	5
Chloromethane	ND	ND	10
Dibromochloromethane	ND	ND	5
Dibromomethane	ND	ND	5
1,2 Dichlorobenzene	ND	ND	5
1,3 Dichlorobenzene	ND	ND	5
1,4 Dichlorobenzene	ND	ND	5
Dichlorodifluoromethane	ND	ND	10
1,1 Dichloroethane	ND	ND	5
1,2 Dichloroethane	ND	ND	5
1,1 Dichloroethene	ND	ND	5
CIS 1,2 Dichloroethene	ND	ND	5
TRNS 1,2 Dichloroethene	ND	ND	5
1,2 Dichloropropane	ND	ND	5
CIS 1,3 Dichloropropene	ND	ND	5
TRNS 1,3 Dichloropropene	ND	ND	5
Methylene Chloride	ND	ND	20
1,1,1,2 Tetrachloroethane	ND	ND	5
1,1,2,2 Tetrachloroethane	ND	ND	5
Tetrachloroethene	ND	ND	5
1,1,1 Trichloroethane	ND	ND	5
1,1,2 Trichloroethane	ND	ND	5
Trichloroethene	ND	ND	5
Trichlorofluoromethane	ND	ND	10
1,2,3 Trichloropropane	ND	ND	5
Vinyl Chloride	ND	ND	10

(Continued)

ND - Not Detected at The Detection Limit

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AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4875

Quality Control Report

Lab ID:	32751	32752	
Surrogate %REC.			
Bromofluorobenzene	114	115	
	Spike %REC.	**Spike DUP. %REC.**	**AVG. RPD**
Chlorobenzene	87	87	< 1
1,1 Dichloroethene	92	91	1.1
Trichloroethene	101	97	4

ND - Not Detected at The Detection Limit

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Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4875

Report To: (ALASKA)
Alaska Petroleum Envir. Engineerin
P.O.Box 5365
12802 Valley View St. #9
Garden Grove, CA 92846-0365

Site:
Former Sparkling Cleaners
Valley View @ Chapman

Attn: Glen Stillman

Phone: 714/897-2733

Method: (8010)
Halogenated Volatiles
Matrix: Soil
Units: ug/kg

Lab ID:	32753	32754	32755	
Sample No:	SP20(3E)-4'	SP28(2W)-4'	SP28(4E)-4'	
Date Sampled:	03/24/99	03/24/99	03/24/99	
Date Extracted:	03/29/99	03/29/99	03/29/99	**Detection**
Date Analyzed:	03/29/99	03/29/99	03/29/99	**Limit**
Bromobenzene	ND	ND	ND	5
Bromodichloromethane	ND	ND	ND	5
Bromoform	ND	ND	ND	10
Bromomethane	ND	ND	ND	10
Carbon Tetrachloride	ND	ND	ND	5
Chlorobenzene	ND	ND	ND	5
Chloroethane	ND	ND	ND	10
Chloroform	ND	ND	ND	5
Chloromethane	ND	ND	ND	10
Dibromochloromethane	ND	ND	ND	5
Dibromomethane	ND	ND	ND	5
1,2 Dichlorobenzene	ND	ND	ND	5
1,3 Dichlorobenzene	ND	ND	ND	5
1,4 Dichlorobenzene	ND	ND	ND	5
Dichlorodifluoromethane	ND	ND	ND	10
1,1 Dichloroethane	ND	ND	ND	5
1,2 Dichloroethane	ND	ND	ND	5
1,1 Dichloroethene	ND	ND	ND	5
CIS 1,2 Dichloroethene	ND	ND	ND	5
TRNS 1,2 Dichloroethene	ND	ND	ND	5
1,2 Dichloropropane	ND	ND	ND	5
CIS 1,3 Dichloropropene	ND	ND	ND	5
TRNS 1,3 Dichloropropene	ND	ND	ND	5
Methylene Chloride	ND	ND	ND	20
1,1,1,2 Tetrachloroethane	ND	ND	ND	5
1,1,2,2 Tetrachloroethane	ND	ND	ND	5
Tetrachloroethene	ND	ND	ND	5
1,1,1 Trichloroethane	ND	ND	ND	5
1,1,2 Trichloroethane	ND	ND	ND	5
Trichloroethene	ND	ND	ND	5
Trichlorofluoromethane	ND	ND	ND	10
1,2,3 Trichloropropane	ND	ND	ND	5
Vinyl Chloride	ND	ND	ND	10

(Continued)

ND - Not Detected at The Detection Limit

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AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4875

Quality Control Report

Lab ID:	32753	32754	32755
Surrogate %REC.			
Bromofluorobenzene	89	104	99

	Spike %REC.	**Spike DUP. %REC.**	**AVG. RPD**
Chlorobenzene	110	111	< 1
1,1 Dichloroethene	80	80	< 1
Trichloroethene	101	102	1

ND - Not Detected at The Detection Limit

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Alaska Petroleum Envir. Engineerin
P.O.Box 5365
12802 Valley View St. #9
Garden Grove, CA 92846-0365

Attn : Glen Stillman
Phone: 714/897-2733

Number of Pages: 9
Date Received : 03/30/99
Date Reported : 04/01/99

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ASL Job Number: 4906

Project Name : Fmr Sparkling

Site: Cleaners
Valley @ Chapman

Enclosed are the results of analyses on 7 soil samples analyzed as specified on attached chain of custody.

Checked By _____

Approved By _____
ROJERT G. ARAGHI
LABORATORY DIRECTOR

3225 San Fernando Road, Los Angeles, California 90065 • (323) 254-7700, Fax: (323) 254-7799

RECEIVED
APR 12 1999
ENVIRONMENTAL HEALTH

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4906
Project Name: Fmr Sparkling

Report To: (ALASKA)
Alaska Petroleum Envir. Engineerin
P.O.Box 5365
12802 Valley View St. #9
Garden Grove, CA 92846-0365

Attn: Glen Stillman

Site:
Cleaners
Valley @ Chapman

Phone: 714/897-2733

Method:	**(8010)**	
	Halogenated Volatiles	
Matrix:	Soil	
Units:	ug/kg	
Lab ID:	32953	
Sample No:	SP4(2)-5'	
Date Sampled:	03/24/99	
Date Extracted:	03/27/99	
Date Analyzed:	03/27/99	

		Detection Limit
Bromobenzene	ND	5
Bromodichloromethane	ND	5
Bromoform	ND	10
Bromomethane	ND	10
Carbon Tetrachloride	ND	5
Chlorobenzene	ND	5
Chloroethane	ND	10
Chloroform	ND	5
Chloromethane	ND	10
Dibromochloromethane	ND	5
Dibromomethane	ND	5
1,2 Dichlorobenzene	ND	5
1,3 Dichlorobenzene	ND	5
1,4 Dichlorobenzene	ND	5
Dichlorodifluoromethane	ND	10
1,1 Dichloroethane	ND	5
1,2 Dichloroethane	ND	5
1,1 Dichloroethene	ND	5
CIS 1,2 Dichloroethene	ND	5
TRNS 1,2 Dichloroethene	ND	5
1,2 Dichloropropane	ND	5
CIS 1,3 Dichloropropene	ND	5
TRNS 1,3 Dichloropropene	ND	5
Methylene Chloride	ND	20
1,1,1,2 Tetrachloroethane	ND	5
1,1,2,2 Tetrachloroethane	ND	5
Tetrachloroethene	ND	5
1,1,1 Trichloroethane	ND	5
1,1,2 Trichloroethane	ND	5
Trichloroethene	ND	5
Trichlorofluoromethane	ND	10
1,2,3 Trichloropropane	ND	5
Vinyl Chloride	ND	10

(Continued)

ND - Not Detected at The Detection Limit

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ENVIRONMENTAL HEALTH

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4906
Project Name: Fmr Sparkling

Quality Control Report

Lab ID: 32953

Surrogate %REC.	
Bromofluorobenzene	114

	Spike %REC.	**Spike DUP. %REC.**	**AVG. RPD**
Chlorobenzene	87	93	6.7
1,1 Dichloroethene	74	81	9
Trichloroethene	87	92	5.6

ND - Not Detected at The Detection Limit

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ENVIRONMENTAL HEALTH

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4906
Project Name: Fmr Sparkling

Report To: (ALASKA)
Alaska Petroleum Envir. Engineerin
P.O.Box 5365
12802 Valley View St. #9
Garden Grove, CA 92846-0365

Attn: Glen Stillman

Site:
Cleaners
Valley @ Chapman

Phone: 714/897-2733

Method:	**(8010)**	
	Halogenated Volatiles	
Matrix:	Soil	
Units:	ug/kg	
Lab ID:	32954	
Sample No:	SP12(4)-6'	
Date Sampled:	03/24/99	
Date Extracted:	03/31/99	
Date Analyzed:	03/31/99	
		Detection Limit
Bromobenzene	ND	5
Bromodichloromethane	ND	5
Bromoform	ND	10
Bromomethane	ND	10
Carbon Tetrachloride	ND	5
Chlorobenzene	ND	5
Chloroethane	ND	10
Chloroform	ND	5
Chloromethane	ND	10
Dibromochloromethane	ND	5
Dibromomethane	ND	5
1,2 Dichlorobenzene	ND	5
1,3 Dichlorobenzene	ND	5
1,4 Dichlorobenzene	ND	5
Dichlorodifluoromethane	ND	10
1,1 Dichloroethane	ND	5
1,2 Dichloroethane	ND	5
1,1 Dichloroethene	ND	5
CIS 1,2 Dichloroethene	ND	5
TRNS 1,2 Dichloroethene	ND	5
1,2 Dichloropropane	ND	5
CIS 1,3 Dichloropropene	ND	5
TRNS 1,3 Dichloropropene	ND	5
Methylene Chloride	ND	20
1,1,1,2 Tetrachloroethane	ND	5
1,1,2,2 Tetrachloroethane	ND	5
Tetrachloroethene	ND	5
1,1,1 Trichloroethane	ND	5
1,1,2 Trichloroethane	ND	5
Trichloroethene	ND	5
Trichlorofluoromethane	ND	10
1,2,3 Trichloropropane	ND	5
Vinyl Chloride	ND	10

(Continued)

ND - Not Detected at The Detection Limit

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ENVIRONMENTAL HEALTH

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4906
Project Name: Fmr Sparkling

Quality Control Report

Lab ID: 32954

Surrogate %REC.	
Bromofluorobenzene	92

	Spike %REC.	**Spike DUP. %REC.**	**AVG. RPD**
Chlorobenzene	87	87	< 1
1,1 Dichloroethene	92	91	1.1
Trichloroethene	101	97	4

ND - Not Detected at The Detection Limit

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ENVIRONMENTAL [illegible]

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4906
Project Name: Fmr Sparkling

Report To: (ALASKA)
Alaska Petroleum Envir. Engineerin
P.O.Box 5365
12802 Valley View St. #9
Garden Grove, CA 92846-0365

Site:
Cleaners
Valley @ Chapman

Attn: Glen Stillman

Phone: 714/897-2733

Method: (8010)
Halogenated Volatiles
Matrix: Soil
Units: ug/kg

Lab ID:	32955	32956	
Sample No:	SP20(2)-6'	SP12(2)-6'	
Date Sampled:	03/24/99	03/24/99	
Date Extracted:	03/27/99	03/27/99	**Detection Limit**
Date Analyzed:	03/27/99	03/27/99	
Bromobenzene	ND	ND	5
Bromodichloromethane	ND	ND	5
Bromoform	ND	ND	10
Bromomethane	ND	ND	10
Carbon Tetrachloride	ND	ND	5
Chlorobenzene	ND	ND	5
Chloroethane	ND	ND	10
Chloroform	ND	ND	5
Chloromethane	ND	ND	10
Dibromochloromethane	ND	ND	5
Dibromomethane	ND	ND	5
1,2 Dichlorobenzene	ND	ND	5
1,3 Dichlorobenzene	ND	ND	5
1,4 Dichlorobenzene	ND	ND	5
Dichlorodifluoromethane	ND	ND	10
1,1 Dichloroethane	ND	ND	5
1,2 Dichloroethane	ND	ND	5
1,1 Dichloroethene	ND	ND	5
CIS 1,2 Dichloroethene	ND	ND	5
TRNS 1,2 Dichloroethene	ND	ND	5
1,2 Dichloropropane	ND	ND	5
CIS 1,3 Dichloropropene	ND	ND	5
TRNS 1,3 Dichloropropene	ND	ND	5
Methylene Chloride	ND	ND	20
1,1,1,2 Tetrachloroethane	ND	ND	5
1,1,2,2 Tetrachloroethane	ND	ND	5
Tetrachloroethene	ND	ND	5
1,1,1 Trichloroethane	ND	ND	5
1,1,2 Trichloroethane	ND	ND	5
Trichloroethene	ND	ND	5
Trichlorofluoromethane	ND	ND	10
1,2,3 Trichloropropane	ND	ND	5
Vinyl Chloride	ND	ND	10

(Continued)

ND - Not Detected at The Detection Limit

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ENVIRONMENTAL HEALTH

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4906
Project Name: Fmr Sparkling

Quality Control Report

Lab ID:	32955	32956	
Surrogate %REC.			
Bromofluorobenzene	114	115	
	Spike %REC.	**Spike DUP. %REC.**	**AVG. RPD**
Chlorobenzene	87	93	6.7
1,1 Dichloroethene	74	81	9
Trichloroethene	87	92	5.6

ND - Not Detected at The Detection Limit

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Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4906
Project Name: Fmr Sparkling

Report To: (ALASKA)
Alaska Petroleum Envir. Engineerin
P.O.Box 5365
12802 Valley View St. #9
Garden Grove, CA 92846-0365

Site:
Cleaners
Valley @ Chapman

Attn: Glen Stillman

Phone: 714/897-2733

Method: (8010)
Halogenated Volatiles
Matrix: Soil
Units: ug/kg

Lab ID:	32957	32958	32959	
Sample No:	SP20(3E)-6'	SP28(2W)-6'	SP28(4E)-6'	
Date Sampled:	03/24/99	03/24/99	03/24/99	
Date Extracted:	03/31/99	03/31/99	03/31/99	**Detection**
Date Analyzed:	03/31/99	03/31/99	03/31/99	**Limit**
Bromobenzene	ND	ND	ND	5
Bromodichloromethane	ND	ND	ND	5
Bromoform	ND	ND	ND	10
Bromomethane	ND	ND	ND	10
Carbon Tetrachloride	ND	ND	ND	5
Chlorobenzene	ND	ND	ND	5
Chloroethane	ND	ND	ND	10
Chloroform	ND	ND	ND	5
Chloromethane	ND	ND	ND	10
Dibromochloromethane	ND	ND	ND	5
Dibromomethane	ND	ND	ND	5
1,2 Dichlorobenzene	ND	ND	ND	5
1,3 Dichlorobenzene	ND	ND	ND	5
1,4 Dichlorobenzene	ND	ND	ND	5
Dichlorodifluoromethane	ND	ND	ND	10
1,1 Dichloroethane	ND	ND	ND	5
1,2 Dichloroethane	ND	ND	ND	5
1,1 Dichloroethene	ND	ND	ND	5
CIS 1,2 Dichloroethene	ND	ND	ND	5
TRNS 1,2 Dichloroethene	ND	ND	ND	5
1,2 Dichloropropane	ND	ND	ND	5
CIS 1,3 Dichloropropene	ND	ND	ND	5
TRNS 1,3 Dichloropropene	ND	ND	ND	5
Methylene Chloride	ND	ND	ND	20
1,1,1,2 Tetrachloroethane	ND	ND	ND	5
1,1,2,2 Tetrachloroethane	ND	ND	ND	5
Tetrachloroethene	ND	ND	ND	5
1,1,1 Trichloroethane	ND	ND	ND	5
1,1,2 Trichloroethane	ND	ND	ND	5
Trichloroethene	ND	ND	ND	5
Trichlorofluoromethane	ND	ND	ND	10
1,2,3 Trichloropropane	ND	ND	ND	5
Vinyl Chloride	ND	ND	ND	10

(Continued)

ND - Not Detected at The Detection Limit

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ENVIRONMENTAL HEALTH

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4906
Project Name: Fmr Sparkling

Quality Control Report

Lab ID:	32957	32958	32959
Surrogate %REC.			
Bromofluorobenzene	93	81	97

	Spike %REC.	**Spike DUP. %REC.**	**AVG. RPD**
Chlorobenzene	87	87	< 1
1,1 Dichloroethene	92	91	1.1
Trichloroethene	101	97	4

ND - Not Detected at The Detection Limit

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AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
3225 San Fernando Road, LA, CA 90065 Tel: (323) 254-7700 • Fax: (323) 254-7799

ASL JOB# 4906

CHAIN OF CUSTODY RECORD

Company: Alaska		Report To:	ANALYSIS REQUESTED
Address:	Project Name: Fmr Sparkly	Address:	
	Site Address: Cleaners	Invoice To:	
Telephone: / Fax:	Valley @ Chapman	Address:	
Special Instruction: Add ti from #4875	Project ID:		
	Project Manager: Glen Stillman	P.O.#:	

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Type	Matrix	Preservation											Remarks
1	32953	SP4(2)-5'	3/24/99		1	Soil	Brass		X										32749
2	32954	SP12(4)-6'							X										
3	32955	SP20(2)-6'							X										32751
4	32956	SP12(2)-6'							X										32752
5	32957	SP20(3E)-6'							X										
6	32958	SP28(2W)-6'							X										
7	32959	SP28(4E)-6'							X										

Collected By:	Date	Time	Relinquished By:	Date	Time
Relinquished By:	Date	Time	Received For Laboratory Andy K	Date 3/30/99	Time
Condition of Sample:					

TAT
☐ Normal
☑ Rush 24 HRS

White - Report, Yellow - Laboratory, Pink - Client

mistyped from Job# 4875 – change

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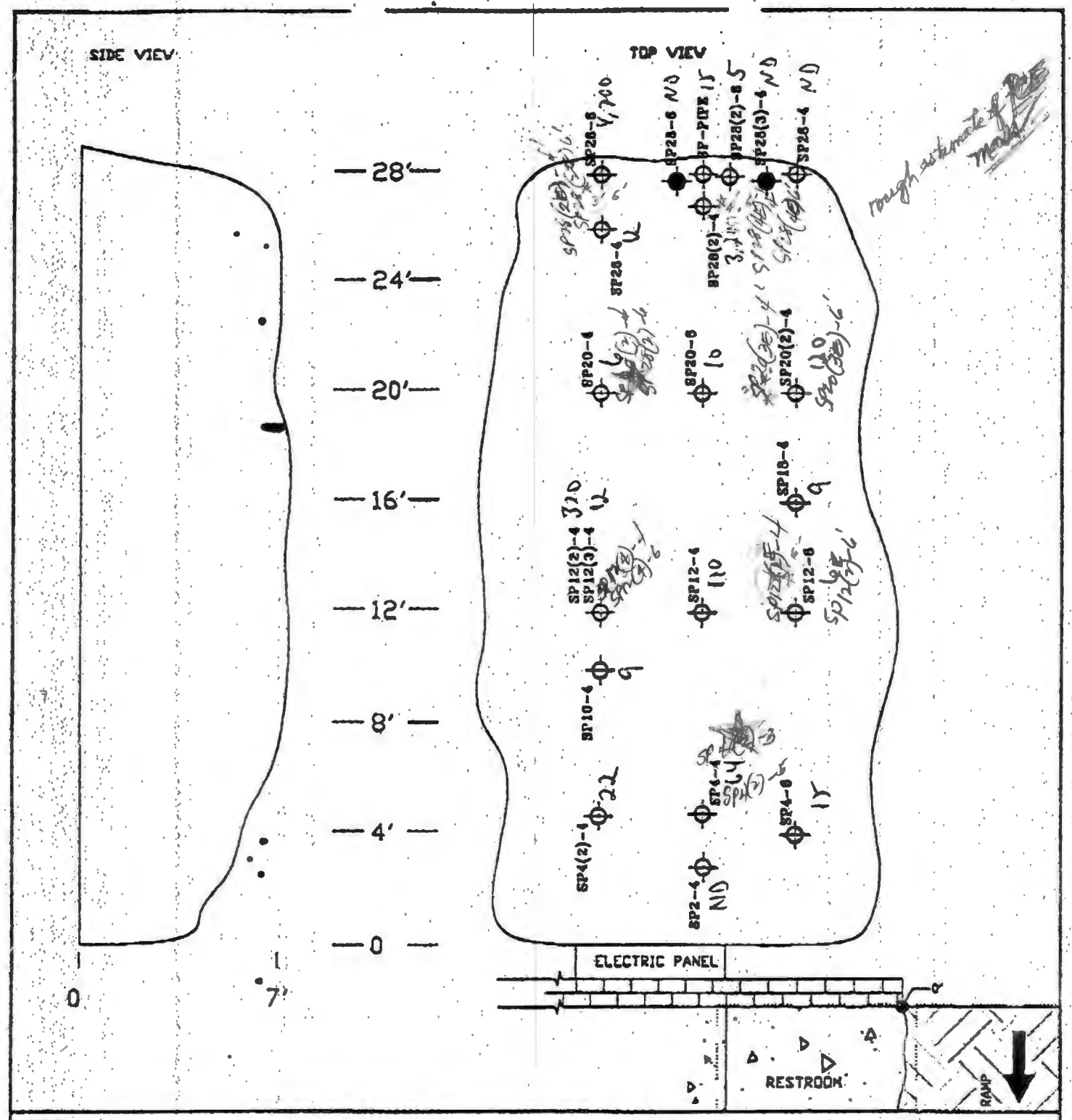


LEGEND

SCALE
1 IN = 5 FT
0 5

COUNTY HEALTH SAMPLE LOCATION

PREVIOUS ALASKA PETROLEUM SAMPLE

ND = non-detect

All results are in ppb

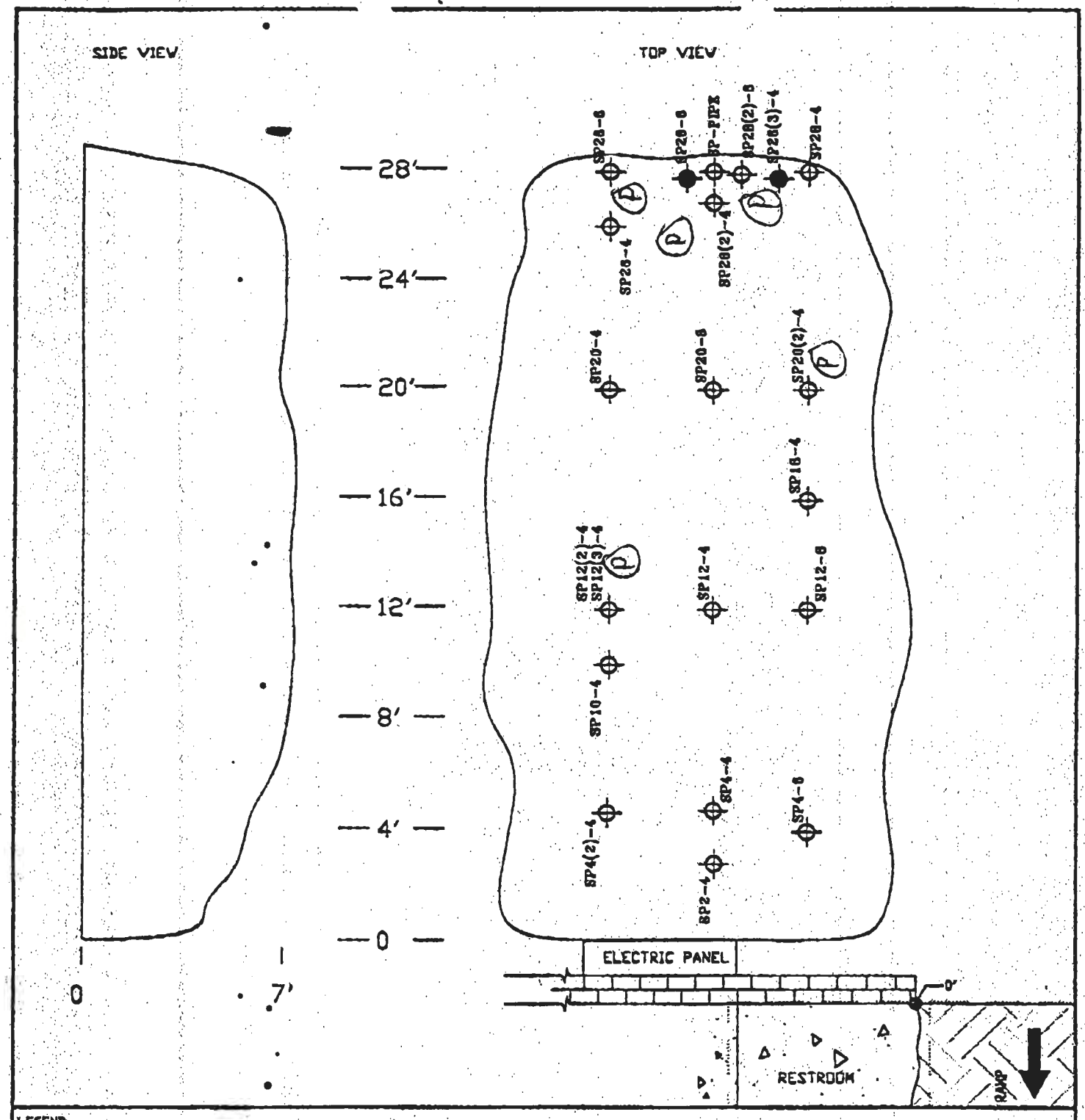
DIRT

CONCRETE

TITLE:

STOCKPILE SAMPLE LOCATIONS
11867 VALLEY VIEW STREET
GARDEN GROVE, CA

DWN	DES	PROJECT NO.
S.R.R.	S.R.R.	38148W1
CHKD	APPD	FIGURE NO.
R.G.S.	R.G.S.	2
DATE 1/00	REV. 0	



LEGEND

SCALE
1 IN = 5 FT
0 5

COUNTY HEALTH SAMPLE LOCATION

PREVIOUS ALASKA PETROLEUM SAMPLE

(P) = proposed sampling locations

DIRT

CONCRETE

TITLE:

STOCKPILE SAMPLE LOCATIONS
11867 VALLEY VIEW STREET
GARDEN GROVE, CA

DWN	DES	PROJECT NO
S.R.R.	S.R.R.	38148W1
CHKD	APPD	FIGURE NO
R.G.S.	R.G.S.	2A
DATE	REV	
1/99	0	

ALASKA PETROLEUM
ENVIRONMENTAL
ENGINEERING

FACSIMILE TRANSMITTAL

Date: March 23, 1999 **TIME:** 19:24 PST

To: Luis Lodrigueza -County of Orange, Health Care Agency

c: Wm. Dennis Merklin - Regional Water Quality Water Board - Santa Ana Region
Mark Kelton c/o Domain Corporation

From: R. Glenn Stillman

Project №: 38148W2

This form plus 5 page(s).

Re: Former Sparkling Cleaners
11867 Valley View Street
Garden Grove, CA

Stockpile sampling workplan.

Alaska Office
907 • 479-9555
P.O. Box 81904
Fairbanks, Alaska 99708

California Office
714 • 897-2733
P.O. Box 5365
Garden Grove, California 92846

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ALASKA PETROLEUM
ENVIRONMENTAL
ENGINEERING

March 23, 1999

via facsimile

County of Orange, Health Care Agency
Public Health, Division of Environmental Health
2009 East Edinger Avenue
Santa Ana, CA 92705-4720

Attn: Luis Lodrigueza - Hazardous Waste Specialist
Hazardous Material Management Section

Re: Former Sparkling Cleaners
11867 Valley View Street
Garden Grove, CA

Dear Mr. Lodrigueza:

Pursuant to our conversation this afternoon, the following workplan pertains to the additional stockpile sampling to be conducted at the referent site. Per my voice mail message this afternoon, the sampling is currently scheduled for the morning of March 24, 1999.

Background

The stockpile was generated from the remedial excavation and was placed adjacent to the building. It was expanded to the north of the building as additional soil was removed from the excavation. It is currently approximately 28 feet long and contains about 65 cubic yards of soil. According to our field notes, approximately seven feet of lateral stockpile length roughly corresponds to the additional two feet of soil that was removed from the excavation.

To date, a total of 22 soil samples have been collected from the approximately 65 cubic yards of stockpiled soil. The sample locations are depicted on the previously supplied *Figure 2, Stockpile Sample Locations*. For convenience, another copy is attached on which I have also written the analytical results by each sample location.

To date, the highest concentrations of perchloroethylene (PCE) were detected at the northern end of the stockpile. This soil was generated from the removal of a steel pipe located on the eastern sidewall of the

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907-479-9555
P.O. Box 81904
Fairbanks, Alaska 99708

California Office
714-897-2733
FAX 714-897-0031
P.O. Box 5365
Garden Grove, CA 92846

ALASKA PETROLEUM ENVIRONMENTAL ENGINEERING

remedial excavation; short-term, noticeable PCE odors were detected at this time.

A total of eight samples have been collected from the northern end of the stockpile. The analytical results obtained from four of the soil samples were at concentrations ranging from non-detect to 15 parts per billion (ppb) and two samples contained 3,200 and 4,700 ppb of PCE. Subsequently, Luis Lodrigueza - Hazardous Waste Specialist, County of Orange, Health Care Agency (County Health) requested and witnessed the collection of the last two soil samples from this area. The analytical results were both non-detect.

Methodology

Sample Collection

Due to the unconsolidated nature of the stockpile (i.e., uncompacted soil), the sampling depth will be accessed with a rubber-tired backhoe. A narrow width bucket (18 inches) will be used to minimize soil disturbance.

The soil will be monitored for volatile organic compounds (VOCs; PCE, etc.) after the overlying soil is removed. A photoionization detector (PID) will be used to monitor VOCs from the excavated area and/or the soil contained in the backhoe bucket. All VOC measurements will be recorded on an *Alaska Petroleum* Field Log.

Pre-cleaned, two inch diameter by six inch long brass tubes will be used to collect the soil samples. One end of the tube will be covered with a Teflon® sheet and then covered with a snug fitting polyethylene plastic cap. This cap will be sealed with Parafilm® (a non-solvent, waxed-based tape) to retain the original moisture content and any VOCs. A sample will be collected by directly pushing the tube into the soil until it is completely filled. Upon removal it will be similarly sealed and capped as discussed above.

Soil samples collected for chemical analyses will not be extruded from the liners to prevent exposure to the atmosphere. Pending laboratory analysis, each sample will be labeled with a unique identification, placed in a cooler, and sent via courier to a State certified laboratory under chain-of-custody procedures. All samples will be analyzed by USEPA Method 8010.

ALASKA PETROLEUM
ENVIRONMENTAL
ENGINEERING

Sample Locations

Based upon the previous analytical results, it is proposed that five locations be sampled in the stockpile; two depths will sampled at each location, for a total of 10 additional soil samples. The proposed sample locations are depicted on *Figure 2A*.

Sample depths will be consistent with that previously encountered where PCE was detected above the California Regional Water Quality Control Board - Santa Ana Region's (Water Board) soil reuse criteria of 50 ppb. This criterion is contained in the April 1996 Water Board document entitled "Criteria for Disposal/Reuse of Soils in Santa Ana Region.

Closing Remarks

It is my understanding that County Health will verbally approve the site "closure" and subsequently issue a "No Further Action" letter if the analytical results obtained from this round of stockpile testing are at or below the Water Board's soil reuse criteria.

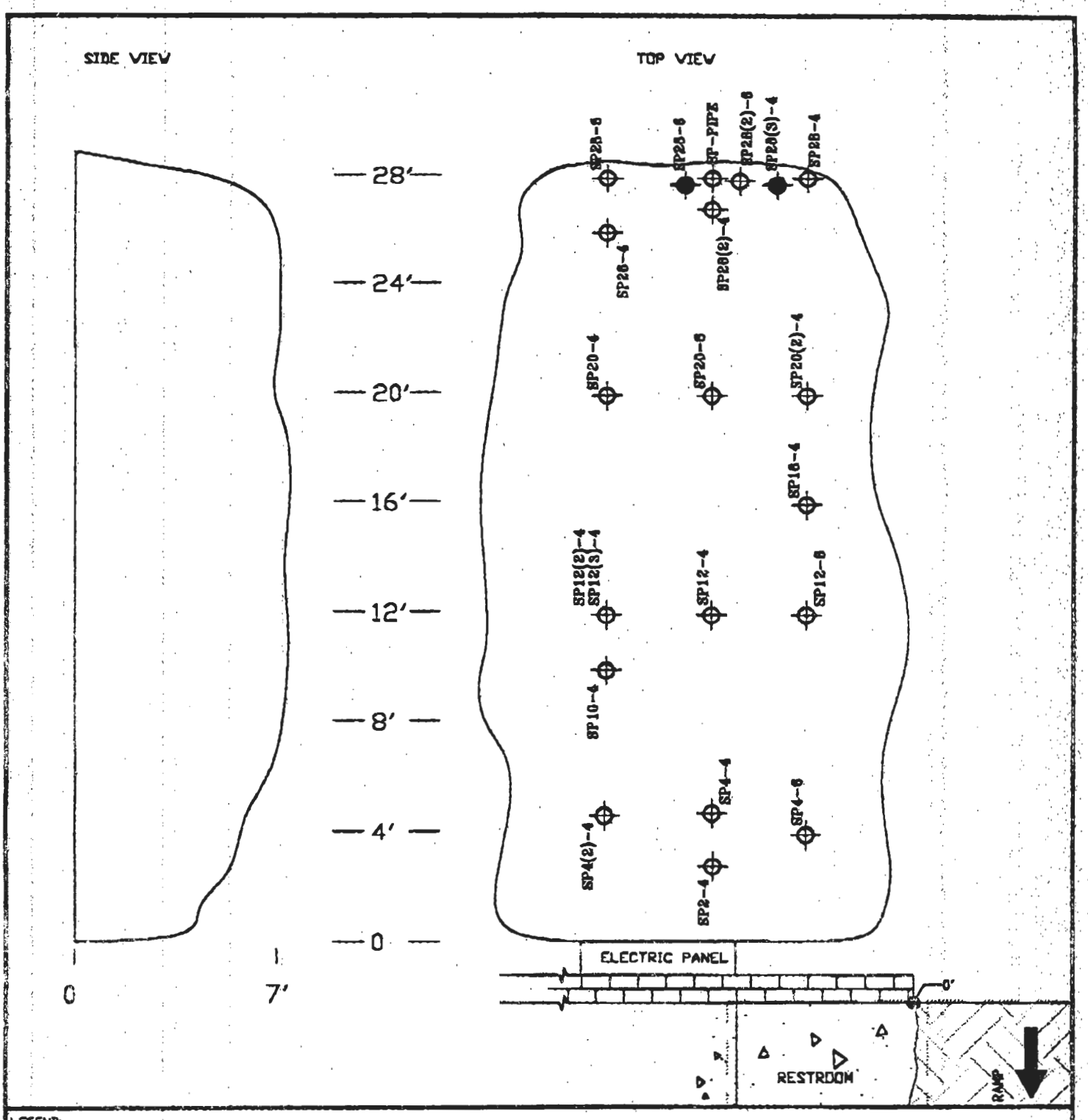
If you have any questions, please do not hesitate to contact me at extension 207. *Alaska Petroleum* appreciates your assistance with this project.

Cordially,

R. Glenn Stillman
Principal Engineer

RGS/slo
attachments

c: Mark Kelton c/o Domain Corporation
Wm. Dennis Merklin - Water Board



LEGEND:

SCALE
1 IN = 5 FT
0 5

COUNTY HEALTH SAMPLE LOCATION

PREVIOUS ALASKA PETROLEUM SAMPLE

DIRT

CONCRETE

TITLE:

STOCKPILE SAMPLE LOCATIONS
11867 VALLEY VIEW STREET
GARDEN GROVE, CA

DWN:	DES:	PROJECT NO:
S.R.R.	S.R.R.	38148W1
CHKD:	APPD:	FIGURE NO:
R.G.S.	R.G.S.	2
DATE:	REV:	
1/99	0	

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FEB 26 1999
HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH

ALASKA PETROLEUM ENVIRONMENTAL ENGINEERING

FACSIMILE TRANSMITTAL

Date: February 26, 1999 **TIME: 13:20 PST**

To: Luis Lodrigueza
County of Orange Health Care Agency

cc: Dennis Merklin
California Regional Quality Water Control board

From: Sandy per R. Glenn Stillman

Project №: 38148

This form plus _1_ **page(s).**

Re: Stockpile Sample Locations
11867 Valley View Street
Garden Grove, CA

Document

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Fairbanks, Alaska 99708

California Office
714-897-2733
FAX 714-897-0031
P.O. Box 5365
Garden Grove, CA 92846

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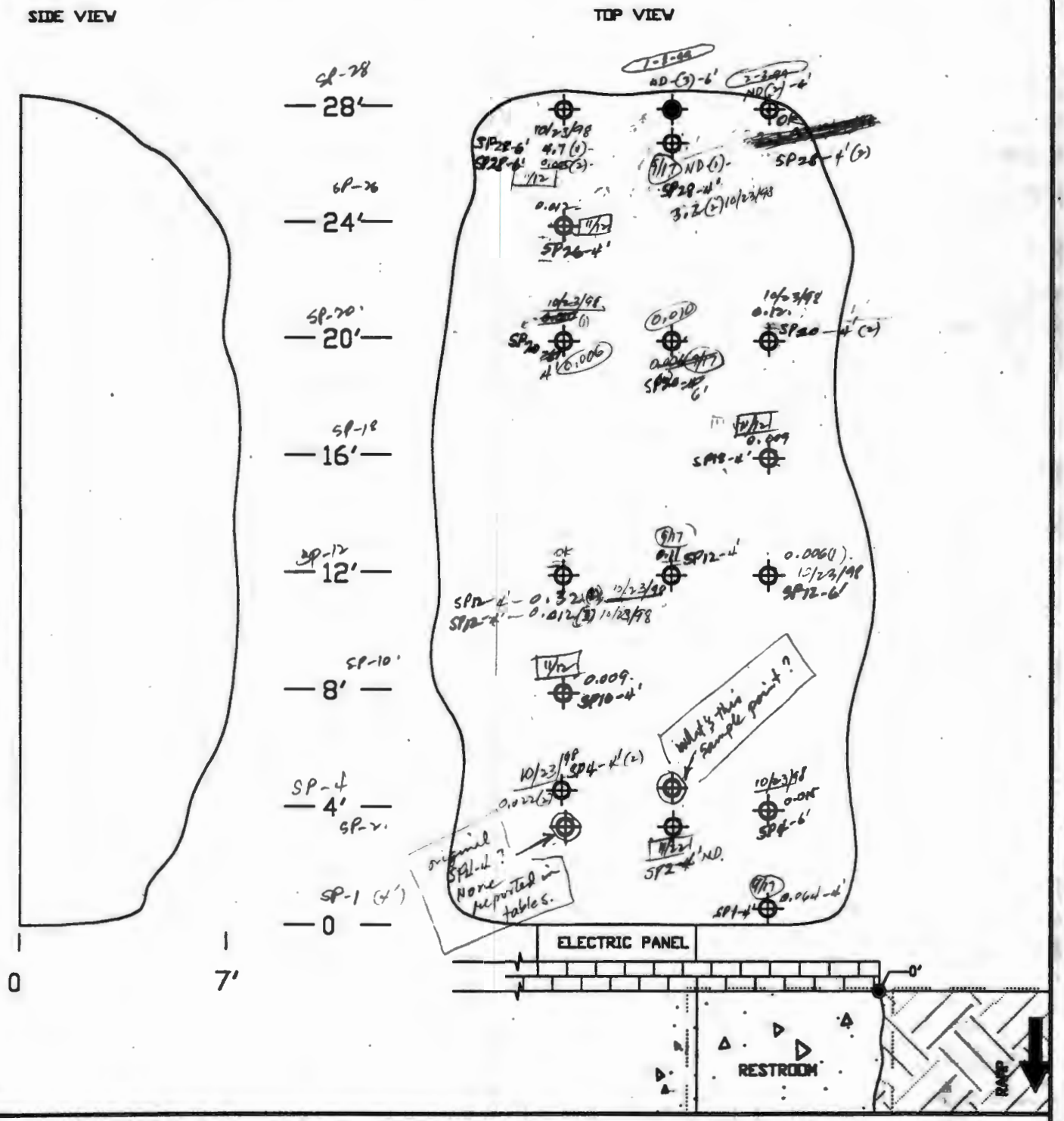

LEGEND:

SCALE
1 IN = 5 FT
0 5

COUNTY HEALTH SAMPLE LOCATION

PREVIOUS ALASKA PETROLEUM SAMPLE

DIRT

CONCRETE

TITLE:

STOCKPILE SAMPLE LOCATIONS
11867 VALLEY VIEW STREET
GARDEN GROVE, CA

DWN:	DES:	PROJECT NO:
S.R.R.	S.R.R.	38148W1
CHK'D:	APP'D:	FIGURE NO:
R.G.S.	R.G.S.	2
DATE:	REV:	
1/99	0	

Gall Dennis Merklin 909 782 [illegible]
Contact Bruce Jennings 785 0181
Sched. field audit for Bill D.

COUNTY OF ORANGE
HEALTH CARE AGENCY

PUBLIC HEALTH
DIVISION OF ENVIRONMENTAL HEALTH

LARRY M. LEAMAN
INTERIM DIRECTOR

HUGH F. STALLWORTH, M.D., MPH
DIRECTOR OF PUBLIC HEALTH/
HEALTH OFFICER

JACK MILLER, REHS
DEPUTY DIRECTOR

MAILING ADDRESS:
2009 EAST EDINGER AVENUE
SANTA ANA, CA 92705-4720

TELEPHONE: (714) 667-3600
FAX: (714) 972-0749
2nd FLOOR FAX: (714) 568-5116

FAX TO THE FOLLOWING NUMBER: (714) 897-0031

THE FOLLOWING PAGES ARE FOR:

Name of Individual: R. Glenn Stillman

Telephone Number: (714) 897-2733

Firm Name: Alaska Petroleum Env. Eng'g.

Documents Transmitted: Stockpile Sample Locations - Sparkling Cleaners

Comments: Please help me out with map; make corrections as required. I may need this for submittal to Regional Board. I'm in consultation with latter as use of stockpile may constitute waste disposal - since no soil remediation was done. You may consider off-site soil disposal option to expedite closure, in lieu of trying to justify on-site re-use of "impacted" soil with Regional Board.

From: Luis Lodrigueza — HCA/Environmental Health

(714) 667-3717 — Telephone No.

TOTAL NUMBER OF PAGES:

This Information Sheet plus ONE Page(s)

Date Sent: 2-24-99 Time Sent: 8:30 a.m./p.m. (circle one)

If you do not receive all the pages, please call (714) 667-3706 as soon as possible to request a retransmission.

FAX Operator: L.

Rev: 10/28/98

Comments: need this for submittal to Regional Board. I'm in consultation with latter as use of stockpile may constitute waste disposal — since no soil remediation was done. You may consider off-site soil disposal option to expedite closure, in lieu of trying to justify on-site re-use of "impacted" soil with Regional Board.

From: Luis Lodrigueza (714) 667-3717
HCA/Environmental Health Telephone No.

TOTAL NUMBER OF PAGES:

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FAX Operator: 4:

Rev: 10/28/98

ERRORS
1) HANG UP OR LINE FAIL 2) BUSY 3) NO ANSWER 4) NO FACSIMILE CONNECTION

FEB 24 1999

Sparkling Cleanse / G.G.

THE FOLLOWING FILE(S) ERASED

FILE	FILE TYPE	OPTION	TEL NO.	PAGE	RESULT
089	MEMORY TX		98970031	02/02	OK

(AUTO)

COL OF ORANGE

TRANSMISSION RESULT REPORT (FEB 24 '99 08:25AM)

CHAIN OF CUSTODY
Orange County Health Care Agency
Environmental Health Division
2009 E. Edinger Ave., Santa Ana, CA 92705
Telephone: (714) 667-3700

1. **ALL SAMPLES ARE TO BE HANDLED AS COURT EVIDENCE, AND ARE TO BE PROPERLY STORED IN A SECURE LOCATION.**

2. **PLEASE WRITE LEGIBLY.**

3. **ATTACH THIS FORM TO THE ORIGINAL REPORT OF THE ANALYTICAL RESULTS AND RETURN THEM TO THIS OFFICE. LABORATORY RESULTS RECEIVED WITHOUT PROPER CHAIN OF CUSTODY DOCUMENTATION WILL NOT BE ACCEPTED.**

4. **TO BE COMPLETED BY LABORATORY ANALYST**

LAB NO.: AD90215

DATE RECEIVED: 2-4-99

SAMPLE(S) CONDITION (PLEASE CHECK):

CHILLED: ✓ **COUNTY SEAL(S) INTACT:** ✓

CONTAINER IN GOOD CONDITION: ✓

DATE ANALYSIS COMPLETED: 02-05-99

ANALYST: Wenta Tu

5. **TO BE COMPLETED BY SAMPLE COLLECTOR**

SITE NAME/ADDRESS: former Sparkling Cleaners 11867 Valley View St., Garden Grove

DATE OF COLLECTION: 2-3-99

SAMPLE COLLECTOR/COMPANY: Alaska Pet. Glenn Stillman

TELEPHONE NO.:

HCA REPRESENTATIVE: Luis Lodriguez

6.

SAMPLE NUMBER	DETERMINATION REQUESTED	SAMPLE DESCRIPTION/COMMENTS	TIME OF COLLECTION
SP-VS(7)-4	EPA Method 8010	North end - spoils pile @ 4' below surf. of pile	2:30pm

7. **CHAIN OF CUSTODY**

	SIGNATURE	COMPANY/AGENCY	INCLUSIVE DATES/TIMES
1.		HCA - EHD	2-3-99 -
2.		Alaska Petroleum Env Eng	2/3/99 - 2/4/99
3.		STS Lab	2/4/99 - 2:10
4.			-
5.			-
6.			-

WHITE-RETURN THIS COPY TO ENVIRONMENTAL HEALTH, CANARY-LABORATORY COPY
PINK-CONTRACTOR/CONSULTANT COPY, GOLDENROD-OFFICE COPY

F272-9.1531.1(R8/89) CRS

CHAIN OF CUSTODY
Orange County Health Care Agency
Environmental Health Division
2009 E. Edinger Ave., Santa Ana, CA 92705
Telephone: (714) 667-3700

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4. **TO BE COMPLETED BY LABORATORY ANALYST**

LAB NO.: _____

DATE RECEIVED: _____

SAMPLE(S) CONDITION (PLEASE CHECK):

CHILLED: _____ **COUNTY SEAL(S) INTACT:** _____

CONTAINER IN GOOD CONDITION: _____

DATE ANALYSIS COMPLETED: _____

ANALYST: _____

5. **TO BE COMPLETED BY SAMPLE COLLECTOR**

SITE NAME/ADDRESS: [illegible]

DATE OF COLLECTION: 2-3-99

SAMPLE COLLECTOR/COMPANY: [illegible]

TELEPHONE NO.: _____

HCA REPRESENTATIVE: [illegible]

6.

SAMPLE NUMBER	DETERMINATION REQUESTED	SAMPLE DESCRIPTION/COMMENTS	TIME OF COLLECTION
[illegible]	[illegible]	[illegible]	[illegible]

7. **CHAIN OF CUSTODY**

	SIGNATURE	COMPANY/AGENCY	INCLUSIVE DATES/TIMES
1.	[illegible]	HCA - EHD	2-3-99 -
2.	[illegible]	Alaska [illegible]	2/3/99 -
3.			-
4.			-
5.			-
6.			-

WHITE-RETURN THIS COPY TO ENVIRONMENTAL HEALTH, CANARY-LABORATORY COPY
PINK-CONTRACTOR/CONSULTANT COPY, GOLDENROD-OFFICE COPY

F272-9.1531.1(R8/89) CRS

Southland Technical Services, Inc.

Environmental Laboratories

7801 Telegraph Road, Suite L
Montebello, CA 90640

Phone (323) 888-0728
Fax (323) 888-1509

02-05-1999

Mr. Glenn Stillman
Alaska Petroleum Environmental Engineering
P.O. Box 5365
Garden Grove, CA 92846

Project: Former Sparkling Cleaner
Project Site: 11867 Valley View Street, Garden Grove
Sample Date: 02-03-1999
Lab Job No.: AD90215

Dear Mr. Stillman:

Enclosed please find the analytical report for the samples received by STS Environmental Laboratories on 02-04-1999 and analyzed by the following EPA methods:

EPA 8010 Compounds

All analyses have met the QA/QC criteria of this laboratory.

The sample(s) arrived in good conditions (i.e., chilled, intact) and with a chain of custody record attached.

STS Environmental Laboratory is certified by the CA DHS (Certificate Number 1986). Thank you for giving us the opportunity to serve you. Please feel free to call me at (323) 888-0728 if our laboratory can be of further service to you.

Sincerely,

pro Wb

Roger Wang, Ph.D.
Laboratory Director

Enclosures

This cover letter is an integral part of this analytical report.

STS

Southland Technical Services, Inc.

Environmental Laboratories

7801 Telegraph Road, Suite L
Montebello, CA 90640

Phone (323) 888-0728
Fax (323) 888-1509

02-05-1999

Client: Alaska Petroleum Environmental Engineering
Project: Former Sparkling Cleaner
Matrix: Soil

Lab Job No.: AD90215
Date Sampled: 02-03-99

EPA 8010 Compouds by GC/MS Reporting Unit: μg/kg (ppb)

DATE ANALYZED		02-04-99	02-04-99			
DILUTION FACTOR		1	1			
LAB SAMPLE I.D.			AD0215-1			
CLIENT SAMPLE I.D.			SP-28(2)-4			
COMPOUND	**MDL**	MB				
Dichlorodifluoromethane	5	ND	ND			
Chloromethane	5	ND	ND			
Vinyl Chloride	5	ND	ND			
Bromomethane	5	ND	ND			
Chloroethane	5	ND	ND			
Trichlorofluoromethane	5	ND	ND			
1,1-Dichloroethene	5	ND	ND			
Methylene Chloride	5	ND	ND			
trans-1,2-Dichloroethene	5	ND	ND			
1,1-Dichloroethane	5	ND	ND			
cis-1,2-Dichloroethene	5	ND	ND			
Bromochloromethane	5	ND	ND			
Chloroform	5	ND	ND			
1,2-Dichloroethane	5	ND	ND			
1,1,1-Trichloroethane	5	ND	ND			
Carbon tetrachloride	5	ND	ND			
Trichloroethene	5	ND	ND			
1,2-Dichloropropane	5	ND	ND			
Bromodichloromethane	5	ND	ND			
Dibromomethane	5	ND	ND			
trans-1,3-Dichloropropene	5	ND	ND			
cis-1,3-Dichloropropene	5	ND	ND			
1,1,2-Trichloroethane	5	ND	ND			
Dibromochloromethane	5	ND	ND			
2-Chloroethylvinyl ether	5	ND	ND			
Bromoform	5	ND	ND			
Tetrachloroethene	5	ND	ND			
Chlorobenzene	5	ND	ND			
1,1,2,2-Tetrachloroethane	5	ND	ND			
1,3-Dichlorobenzene	5	ND	ND			
1,4-Dichlorobenzene	5	ND	ND			
1,2-Dichlorobenzene	5	ND	ND			

MDL=Method Detection Limit; MB=Method Blank; ND=Not Detected (below DF × MDL); * obtained from higher dilution analysis.

Southland Technical Services, Inc.
Environmental Laboratories

7801 Telegraph Road, Suite L
Montebello, CA 90640

Phone (323) 888-0728
Fax (323) 888-1509

02-05-1999

EPA 8260A
Batch QA/QC Report

Client:	Alaska Petroleum Environmental Engineering	Lab Job No.:	AD90215
Project:	Former Sparkling Center		
Matrix:	Soil	Lab Sample ID:	G0218-1
Batch No:	0204-VOC	Date Analyzed:	02-04-99

I. MS/MSD Report
Unit: ppb

Compound	Sample Conc.	Spike Conc.	MS	MSD	MS %Rec.	MSD %Rec.	% RPD	%RPD Accept. Limit	%Rec Accept. Limit
1,1-Dichloroethene	ND	20	16.4	17.8	82.0	89.0	8.2	30	70-130
Benzene	ND	20	22.3	23.2	111.5	116	4.0	30	70-130
Trichloro-ethene	120	20	17.6	17.0	12.6	12.1	3.5	30	70-130
Toluene	ND	20	18.7	18.4	93.5	92.0	1.6	30	70-130
Chlorobenzene	ND	20	18.0	18.6	90.0	93.0	3.3	30	70-130

II. LCS Result
Unit: ppb

Compound	LCS Report Value	True Value	Rec.%	Accept. Limit
1,1-Dichloroethene	19.1	20	95.5	80-120
Benzene	23.3	20	116.5	80-120
Trichloro-ethene	19.0	20	95.0	80-120
Toluene	18.8	20	94.0	80-120
Chlorobenzene	18.0	20	90.0	80-120

ND: Not Detected (at the specified limit)

RECEIVED
FEB 22 1999
HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH

ALASKA PETROLEUM
ENVIRONMENTAL
ENGINEERING

January 26, 1999

County of Orange, Health Care Agency
Public Health, Division of Environmental Health
2009 East Edinger Avenue
Santa Ana, CA 92705-4720

Attn: Luis Lodrigueza - Hazardous Waste Specialist
Hazardous Material Management Section

Re: Former Sparking Cleaners
11867 Valley View Street
Garden Grove, CA

Dear Mr. Lodrigueza:

Pursuant to your request, presented herewith is:

(1) a description of the soil sampling activities you witnessed at the referent facility on January 8th,

(2) *Figure 1, Site Location* diagram,

(3) *Figure 2, Stockpile Sample Locations,*

(4) *Figure 3, Remedial Excavation/OCHCA Sample Locations,* and

(5) a copy of the analytical report.

On behalf of the Orange County Health Care Agency (OCHCA), you specified the locations to be sampled. A total of four soil samples were collected for chemical analysis. Three samples were collected from the remedial excavation and one from the stockpiled soil. The samples were analyzed by the United States Environmental Protection Agency Method 8010 (halogenated organics including perchloroethylene).

Alaska Office
907·479-9555
P.O. Box 81904
Fairbanks, Alaska 99708

California Office
714·897-2733
FAX 714·897-0031
P.O. Box 5365
Garden Grove, CA 92846

Methodology

Stockpile Sampling

The stockpile sample was collected at the northern end of the pile by hand digging to a depth of approximately two feet. A pre-cleaned six inch long by two inch diameter brass tube was then pushed into the

stockpile until it was completely filled with soil. The tube was removed and immediately covered at each end with a Teflon® sheet and then secured with a snug fitting polyethylene plastic cap. The caps were then sealed with Parafilm® (i.e., a wax-based, non-solvent containing film) to retain the original moisture content and any volatile chemical constituents. You then attached a chain-of-custody seal to the tube.

The sample tube was labeled as "SP-28(3)-6". This designation represents a stockpile sample, collected 28 feet from the south end of the pile, the third sample collected at this location during the remediation, and at a depth of six feet from the top of the pile (***Figure 2, Stockpile Sample Location***). The tube was placed in an ice chest containing "blue ice" prior to delivery to the analytical laboratory.

Remedial Excavation Sampling

The samples were collected using a slide hammer sampler. At the specified location, a clean brass tube was inserted into the slide hammer sample holder and placed against the sidewall of the excavation. The sampler was pounded into the soil until the brass tube was completely full of soil. The sample was similarly handled, as described above, after removal from the sample tube holder. Sufficient sample holders were available such that no decontamination was required between sampling events.

The sample identification was based upon the grid block location within the remedial excavation (***Figure 3, Remedial Excavation/OCHCA Sample Locations***); each grid block encompasses approximately 50 square feet. For example, "B1-4EW" designated a sample collected from grid block B1, at a depth of four feet from the surface, and on the east wall of the remedial excavation.

Analytical Results

All analytical results were non-detect for Method 8010 at the method detection limit of the individual constituents (i.e. from five to 20 parts per billion).

Closing Remarks

Based upon the analytical results obtained from this and the previous sampling events, on behalf of The Domain Corporation, *Alaska Petroleum Environmental Engineering, Inc.* (*Alaska Petroleum*) is requesting a "No Further Action" letter from the OCHCA regarding the remedial activities.

If you have any questions, please do not hesitate to contact me at extension 207. *Alaska Petroleum* appreciates your assistance with this project.

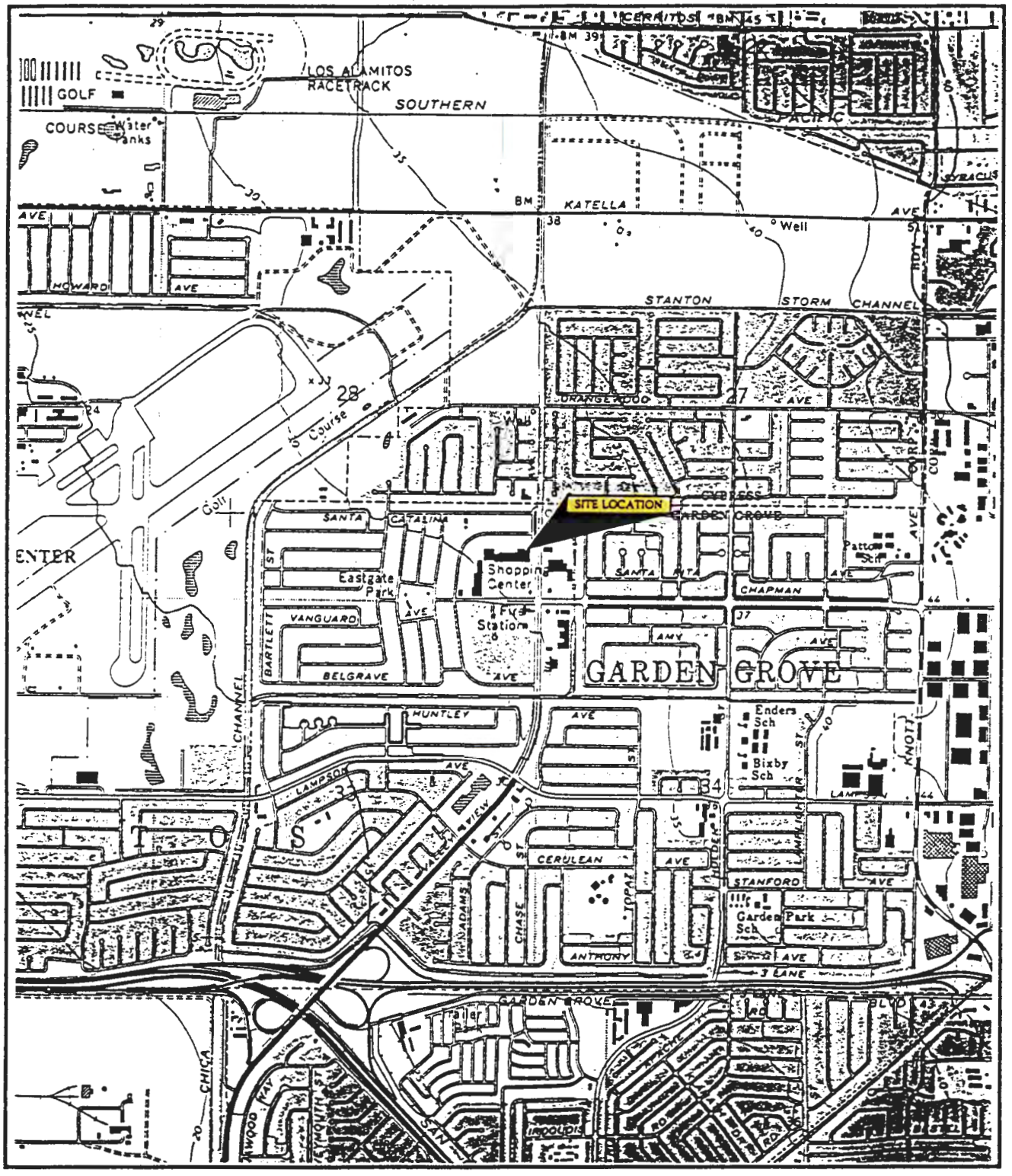
Cordially,

R. Glenn Stillman
Principal Engineer

RGS/slo
attachment

c: Mark Kelton c/o Domain Corporation
Dave Zylastria, Vice President Real Estate - The Vons Company
Kim Huy - Garden Grove Agency for Community Development
Wm. Dennis Merklin - California Regional Water Quality Control Board – Santa Ana Region

Attachments

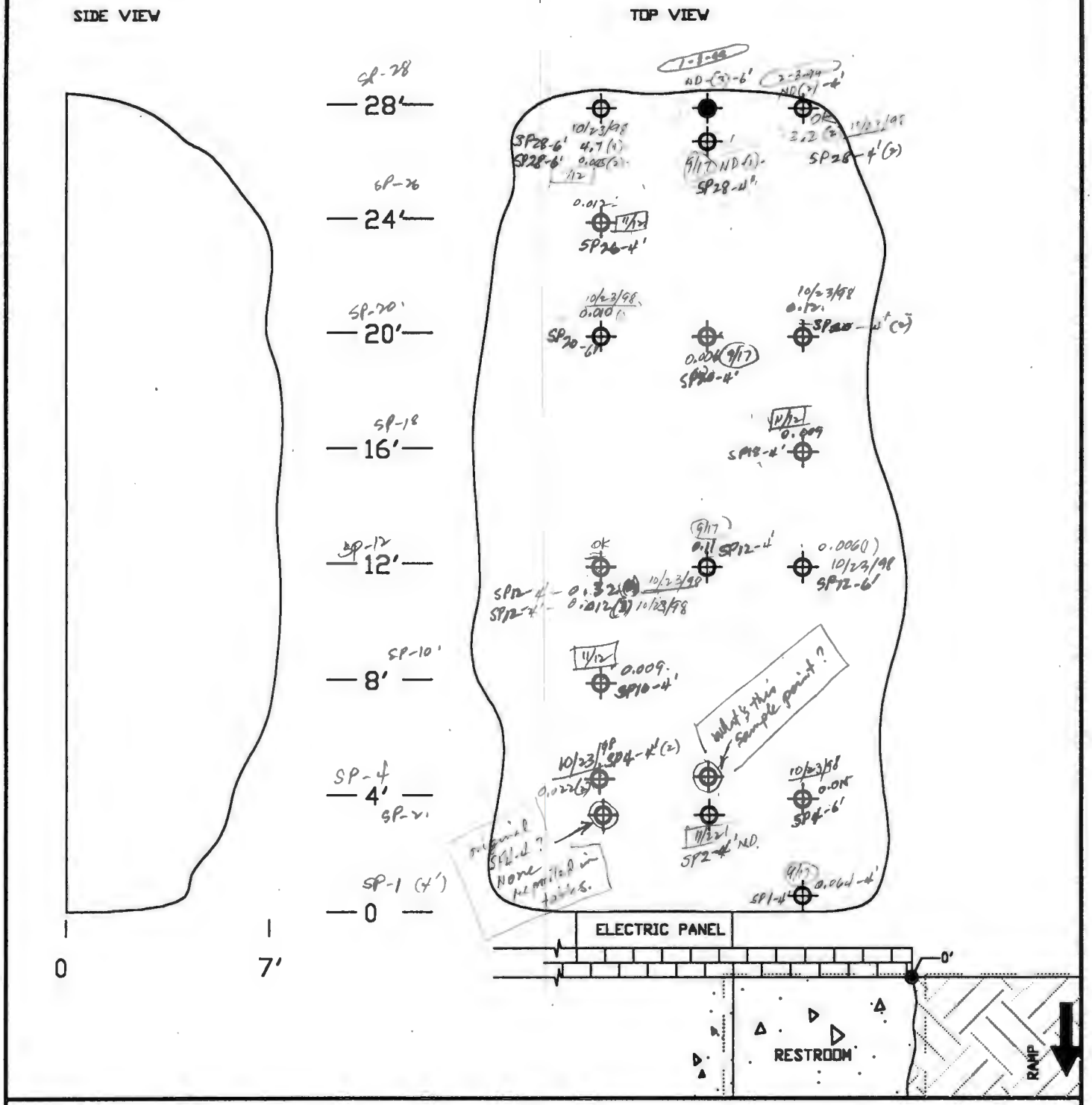


UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY, LOS ALAMITOS QUADRANGLE,
7.5 MINUTE SERIES (TOPOGRAPH), GARDEN GROVE, CALIFORNIA 1964 (PHOTO REVISED 1981)
Approximate Scale 1" = 2000'

N

ALASKA PETROLEUM ENVIRONMENTAL ENGINEERING
P.O. Box 14766
Long Beach, CA 90803
(310)433-3144
P.O. Box 81904
Fairbanks, AK. 99708
(907)479-9555

TITLE:	DES: S.R.R.	PROJECT NO: 38148W1
SITE LOCATION 11867 VALLEY VIEW STREET GARDEN GROVE, CA	APPD: R.G.S.	FIGURE NO: 1
	DATE: 11/98	



LEGEND:

SCALE
1 IN = 5 FT
0 5

COUNTY HEALTH SAMPLE LOCATION

PREVIOUS ALASKA PETROLEUM SAMPLE

DIRT

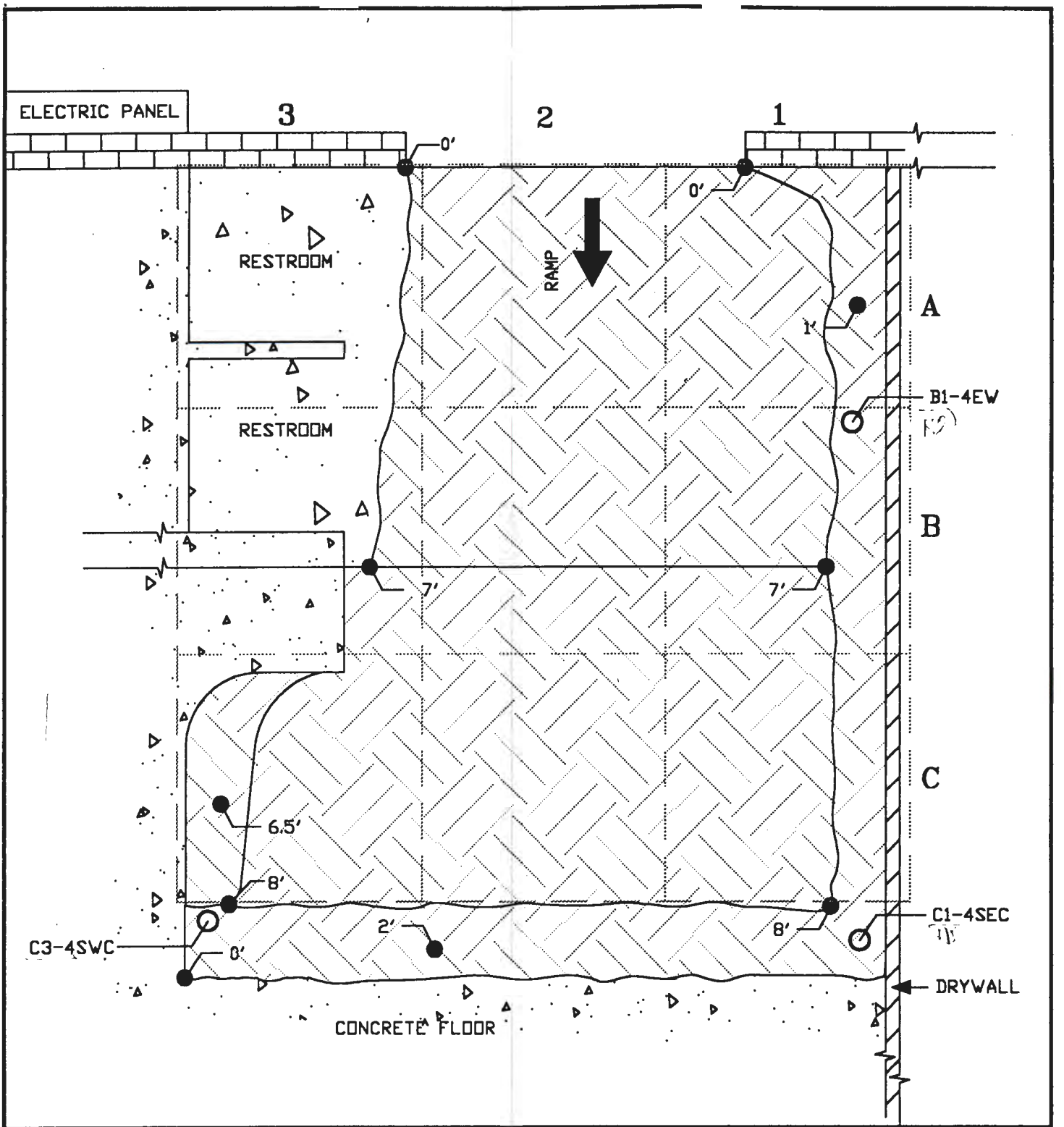
CONCRETE

ALASKA PETROLEUM ENVIRONMENTAL SERVICES, INC.
Alaska Office
P.O. Box 81604
Fairbanks, AK 99708
907-479-0505
California Office
P.O. Box 6385
Garden Grove, CA 92846
714-897-2723
Fax: 714-897-0831

TITLE:

STOCKPILE SAMPLE LOCATIONS
11867 VALLEY VIEW STREET
GARDEN GROVE, CA

DWN:	DES:	PROJECT NO:
S.R.R.	S.R.R.	38148W1
CHKD:	APPD:	
R.G.S.	R.G.S.	
DATE:	REV:	FIGURE NO:
1/99	0	2



LEGEND:

0' — DEPTH OF EXCAVATION

C1-4SEC — COUNTY HEALTH SAMPLE IDENTIFICATION/LOCATION

DIRT

CONCRETE

SCALE
1 IN = 4 FT
0 4

N

1 = EAST/WEST GRID BLOCK IDENTIFICATION

A = NORTH/SOUTH GRID BLOCK IDENTIFICATION

ALASKA PETROLEUM ENVIRONMENTAL ENGINEERING
Alaska Office
P.O. Box 81904
Fairbanks, AK 99708
907-479-6895
California Office
P.O. Box 5365
Garden Grove, CA 92846
714-897-2733
Fax 714-897-0531

TITLE:

REMEDIAL EXCAVATION/OCHCA SAMPLE LOCATIONS

11867 VALLEY VIEW STREET
GARDEN GROVE, CA

DWN:	DES.:	PROJECT NO.:
S.R.R.	S.R.R.	38148W1
CHKD:	APPD:	FIGURE NO.:
R.G.S.	R.G.S.	3
DATE:	REV.:	
1/99	0	

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

Alaska Petroleum Envir. Engineering
P.O.Box 5365
12802 Valley View St. #9
Garden Grove, CA 92846-0365

Attn : Glen Stillman
Phone: 714/897-2733

Number of Pages: 3
Date Received : 01/11/99
Date Reported : 01/18/99

ASL Job Number: 4404

Project Name : Former Sparkling Cleaners

Site: 11867 Valley View St. GG 99IC1

Enclosed are the results of analyses on 4 soil samples analyzed as specified on attached chain of custody.

Checked By Weahn

Approved By Rojert G. Araghi
ROJERT G. ARAGHI
LABORATORY DIRECTOR

3225 San Fernando Road, Los Angeles, California 90065 • (323) 254-7700, Fax: (323) 254-7799

AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4404
Project Name: Former Sparkling Cleaners

Report To: (ALASKA)
Alaska Petroleum Envir. Engineering
P.O.Box 5365
12802 Valley View St. #9
Garden Grove, CA 92846-0365

Attn: Glen Stillman

Site:
11867 Valley View St. GG 99IC1

Phone: 714/897-2733

Method: (8010)
Halogenated Volatiles
Matrix: Soil
Units: ug/kg

Lab ID:	29841	29842	29843	29844	
Sample No:	B1-4EW	C1-4SEC	C3-4SWC	SP-28(3)6	
Date Sampled:	01/08/99	01/08/99	01/08/99	01/08/99	
Date Extracted:	01/11/99	01/11/99	01/11/99	01/11/99	**Detection**
Date Analyzed:	01/11/99	01/11/99	01/11/99	01/11/99	**Limit**
Bromobenzene	ND	ND	ND	ND	5
Bromodichloromethane	ND	ND	ND	ND	5
Bromoform	ND	ND	ND	ND	10
Bromomethane	ND	ND	ND	ND	10
Carbon Tetrachloride	ND	ND	ND	ND	5
Chlorobenzene	ND	ND	ND	ND	5
Chloroethane	ND	ND	ND	ND	10
Chloroform	ND	ND	ND	ND	5
Chloromethane	ND	ND	ND	ND	10
Dibromochloromethane	ND	ND	ND	ND	5
Dibromomethane	ND	ND	ND	ND	5
1,2 Dichlorobenzene	ND	ND	ND	ND	5
1,3 Dichlorobenzene	ND	ND	ND	ND	5
1,4 Dichlorobenzene	ND	ND	ND	ND	5
Dichlorodifluoromethane	ND	ND	ND	ND	10
1,1 Dichloroethane	ND	ND	ND	ND	5
1,2 Dichloroethane	ND	ND	ND	ND	5
1,1 Dichloroethene	ND	ND	ND	ND	5
CIS 1,2 Dichloroethene	ND	ND	ND	ND	5
TRNS 1,2 Dichloroethene	ND	ND	ND	ND	5
1,2 Dichloropropane	ND	ND	ND	ND	5
CIS 1,3 Dichloropropene	ND	ND	ND	ND	5
TRNS 1,3 Dichloropropene	ND	ND	ND	ND	5
Methylene Chloride	ND	ND	ND	ND	20
1,1,1,2 Tetrachloroethane	ND	ND	ND	ND	5
1,1,2,2 Tetrachloroethane	ND	ND	ND	ND	5
Tetrachloroethene	ND	ND	ND	ND	5
1,1,1 Trichloroethane	ND	ND	ND	ND	5
1,1,2 Trichloroethane	ND	ND	ND	ND	5
Trichloroethene	ND	ND	ND	ND	5
Trichlorofluoromethane	ND	ND	ND	ND	10
1,2,3 Trichloropropane	ND	ND	ND	ND	5
Vinyl Chloride	ND	ND	ND	ND	10

(Continued)

ND - Not Detected at The Detection Limit

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4404
Project Name: Former Sparkling Cleaners

Quality Control Report

Lab ID:	29841	29842	29843	29844
Surrogate %REC.				
Bromofluorobenzene	94	77	91	89

	Spike %REC.	**Spike DUP. %REC.**	**AVG. RPD**
Chlorobenzene	14	96	8
1,1 Dichloroethene	102	96	6.1
Trichloroethene	106	101	4.8

ND - Not Detected at The Detection Limit

3225 San Fernando Road, Los Angeles, California 90065 • (323) 254-7700, Fax: (323) 254-7799

4404

CHAIN OF CUSTODY
Orange County Health Care Agency
Environmental Health Division
2009 E. Edinger Ave., Santa Ana, CA 92705
Telephone: (714) 667-3700

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4. TO BE COMPLETED BY LABORATORY ANALYST

LAB NO.: 2200

DATE RECEIVED: 1-11-99

SAMPLE(S) CONDITION (PLEASE CHECK):

CHILLED: ✓ COUNTY SEAL(S) INTACT: ✓

CONTAINER IN GOOD CONDITION: ✓

DATE ANALYSIS COMPLETED: 1-11-99

ANALYST: [illegible]

5. TO BE COMPLETED BY SAMPLE COLLECTOR

SITE NAME/ADDRESS: former Sparkling Cleaner 11867 Valley View St., GG 99101

DATE OF COLLECTION: 1-8-99

SAMPLE COLLECTOR/COMPANY: Glenn Stillman / Alaska Pet & Env Eng.

TELEPHONE NO.: (714) 897-2733 x 707

HCA REPRESENTATIVE: Luis Lodriguez

6.

SAMPLE NUMBER	DETERMINATION REQUESTED	SAMPLE DESCRIPTION/COMMENTS	TIME OF COLLECTION
B1-4EN	EPA method 8010 for all	East wall @ 4' 29841	1:49
C1-4SEC	samples	SE Corner @ 4' 29842	1:56
C3-4SUPV		SW Corner @ 4' 29843	2:03
SP28(3)6		Stockpile 6' from top of pile 29844	2:13

7. CHAIN OF CUSTODY

	SIGNATURE	COMPANY/AGENCY	INCLUSIVE DATES/TIMES
1.	[signature]	HCA - EHD	1-8-99
2.	[signature]	Alaska Petroleum Envir Engr	1/2/99 - 1/11/99
3.	[signature]	ASL	1/11 @ 1:30 P
4.			
5.			
6.			

WHITE-RETURN THIS COPY TO ENVIRONMENTAL HEALTH, CANARY-LABORATORY COPY
PINK-CONTRACTOR/CONSULTANT COPY, GOLDENROD-OFFICE COPY

F272-9.1531.1(R8/89)

RECEIVED
JAN 29 1999
ENVIRONMENTAL HEALTH

4404

CHAIN OF CUSTODY
Orange County Health Care Agency
Environmental Health Division
2009 E. Edinger Ave., Santa Ana, CA 92705
Telephone: (714) 667-3700

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4. **TO BE COMPLETED BY LABORATORY ANALYST**

LAB NO.: 2200

DATE RECEIVED: 1-11-99

SAMPLE(S) CONDITION (PLEASE CHECK):

CHILLED: ✓ **COUNTY SEAL(S) INTACT:** ✓

CONTAINER IN GOOD CONDITION: ✓

DATE ANALYSIS COMPLETED: 1-11-99

ANALYST: Werlin

5. **TO BE COMPLETED BY SAMPLE COLLECTOR**

SITE NAME/ADDRESS: former Sparkling Cleaners 11867 Valley View St., CG 99IC1

DATE OF COLLECTION: 1-8-99

SAMPLE COLLECTOR/COMPANY: Glenn Stillman / Alaska Pet & Env Eng.

TELEPHONE NO.: (714) 897-2733 x 207

HCA REPRESENTATIVE: Luis Lodriguera

6.

SAMPLE NUMBER	DETERMINATION REQUESTED	SAMPLE DESCRIPTION/COMMENTS	TIME OF COLLECTION
B1-4W	EPA method 8010 for all	East wall @ 4' 29841	1:49
C1-4SE	samples	SE Corner @ 4' 29842	1:56
C3-4SW		SW Corner @ 4' 29843	2:03
SP 28(3)6		Stockpile 6' from top of pile 29844	2:13

7. **CHAIN OF CUSTODY**

	SIGNATURE	COMPANY/AGENCY	INCLUSIVE DATES/TIMES
1.	[signature]	HCA - EHD	1-8-99 -
2.	[signature]	Alaska Petroleum Envr Engr	1/8/99 - 1/11/99
3.	[signature]	ASL	1/11 @ - 1:30 P
4.			-
5.			-
6.			-

WHITE-RETURN THIS COPY TO ENVIRONMENTAL HEALTH, CANARY-LABORATORY COPY
PINK-CONTRACTOR/CONSULTANT COPY, GOLDENROD-OFFICE COPY

F272-9.1531.1(R8/89) CRS

RECEIVED
FEB 0 1 1999
ENVIRONMENTAL HEALTH

CHAIN OF CUSTODY
Orange County Health Care Agency
Environmental Health Division
2009 E. Edinger Ave., Santa Ana, CA 92705
Telephone: (714) 667-3700

1. **ALL SAMPLES ARE TO BE HANDLED AS COURT EVIDENCE, AND ARE TO BE PROPERLY STORED IN A SECURE LOCATION.**

2. **PLEASE WRITE LEGIBLY.**

3. **ATTACH THIS FORM TO THE ORIGINAL REPORT OF THE ANALYTICAL RESULTS AND RETURN THEM TO THIS OFFICE. LABORATORY RESULTS RECEIVED WITHOUT PROPER CHAIN OF CUSTODY DOCUMENTATION WILL NOT BE ACCEPTED.**

4. **TO BE COMPLETED BY LABORATORY ANALYST**

LAB NO.: _____

DATE RECEIVED: _____

SAMPLE(S) CONDITION (PLEASE CHECK):

CHILLED: _____ **COUNTY SEAL(S) INTACT:** _____

CONTAINER IN GOOD CONDITION: _____

DATE ANALYSIS COMPLETED: _____

ANALYST: _____

5. **TO BE COMPLETED BY SAMPLE COLLECTOR**

SITE NAME/ADDRESS: [illegible]

[illegible] 92701

DATE OF COLLECTION: 1-8-99

SAMPLE COLLECTOR/COMPANY: _____

[illegible]

TELEPHONE NO.: _____

HCA REPRESENTATIVE: [illegible]

6.

SAMPLE NUMBER	DETERMINATION REQUESTED	SAMPLE DESCRIPTION/COMMENTS	TIME OF COLLECTION
[illegible]	EPA [illegible] 8010 for all	[illegible]	[illegible]
[illegible]	samples	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]
[illegible]		[illegible]	[illegible]

7. **CHAIN OF CUSTODY**

	SIGNATURE	COMPANY/AGENCY	INCLUSIVE DATES/TIMES
1.	[illegible]	HCA-EHD	1-8-99 -
2.	[illegible]	[illegible]	1/8/99 -
3.			-
4.			-
5.			-
6.			-

WHITE-RETURN THIS COPY TO ENVIRONMENTAL HEALTH, CANARY-LABORATORY COPY
PINK-CONTRACTOR/CONSULTANT COPY, GOLDENROD-OFFICE COPY

F272-9.1531.1(R8/89)

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4404
Project Name: Former Sparkling Cleaners

Report To: (ALASKA)
Alaska Petroleum Envir. Engineering
P.O.Box 5365
12802 Valley View St. #9
Garden Grove, CA 92846-0365

Attn: Glen Stillman

Site:
11867 Valley View St. GG 99IC1

Phone: 714/897-2733

Method: (8010)
Halogenated Volatiles
Matrix: Soil
Units: ug/kg

Lab ID:	29841	29842	29843	29844	
Sample No:	B1-4EW	C1-4SEC	C3-4SWC	SP-28(3)6	
Date Sampled:	01/08/99	01/08/99	01/08/99	01/08/99	
Date Extracted:	01/11/99	01/11/99	01/11/99	01/11/99	**Detection**
Date Analyzed:	01/11/99	01/11/99	01/11/99	01/11/99	**Limit**
Bromobenzene	ND	ND	ND	ND	5
Bromodichloromethane	ND	ND	ND	ND	5
Bromoform	ND	ND	ND	ND	10
Bromomethane	ND	ND	ND	ND	10
Carbon Tetrachloride	ND	ND	ND	ND	5
Chlorobenzene	ND	ND	ND	ND	5
Chloroethane	ND	ND	ND	ND	10
Chloroform	ND	ND	ND	ND	5
Chloromethane	ND	ND	ND	ND	10
Dibromochloromethane	ND	ND	ND	ND	5
Dibromomethane	ND	ND	ND	ND	5
1,2 Dichlorobenzene	ND	ND	ND	ND	5
1,3 Dichlorobenzene	ND	ND	ND	ND	5
1,4 Dichlorobenzene	ND	ND	ND	ND	5
Dichlorodifluoromethane	ND	ND	ND	ND	10
1,1 Dichloroethane	ND	ND	ND	ND	5
1,2 Dichloroethane	ND	ND	ND	ND	5
1,1 Dichloroethene	ND	ND	ND	ND	5
CIS 1,2 Dichloroethene	ND	ND	ND	ND	5
TRNS 1,2 Dichloroethene	ND	ND	ND	ND	5
1,2 Dichloropropane	ND	ND	ND	ND	5
CIS 1,3 Dichloropropene	ND	ND	ND	ND	5
TRNS 1,3 Dichloropropene	ND	ND	ND	ND	5
Methylene Chloride	ND	ND	ND	ND	20
1,1,1,2 Tetrachloroethane	ND	ND	ND	ND	5
1,1,2,2 Tetrachloroethane	ND	ND	ND	ND	5
Tetrachloroethene	ND	ND	ND	ND	5
1,1,1 Trichloroethane	ND	ND	ND	ND	5
1,1,2 Trichloroethane	ND	ND	ND	ND	5
Trichloroethene	ND	ND	ND	ND	5
Trichlorofluoromethane	ND	ND	ND	ND	10
1,2,3 Trichloropropane	ND	ND	ND	ND	5
Vinyl Chloride	ND	ND	ND	ND	10

(Continued)

ND - Not Detected at The Detection Limit

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4404
Project Name: Former Sparkling Cleaners

Quality Control Report

Lab ID:	29841	29842	29843	29844
Surrogate %REC.				
Bromofluorobenzene	94	77	91	89

	Spike %REC.	**Spike DUP. %REC.**	**AVG. RPD**
Chlorobenzene	14	96	8
1,1 Dichloroethene	102	96	6.1
Trichloroethene	106	101	4.8

ND - Not Detected at The Detection Limit

3225 San Fernando Road, Los Angeles, California 90065 • (323) 254-7700, Fax: (323) 254-7799

ALASKA PETROLEUM
ENVIRONMENTAL
ENGINEERING

LETTER OF TRANSMITTAL

Date: **January 29, 1999**

To: **Luis Lodrigueza – Hazardous Waste Specialist**
County of Orange, Health Care Agency
Public Health, Division of Environment Health
2009 East Edinger Ave.
Santa Ana, CA 91705-4720

From: **R.GLEN STILLMAN**

Project №: **38148W1**

Re: **Former Sparkling Cleaners**
11867 Valley View Street
Garden Grove, CA

One copy of the subject document are being forwarded to you for your

Review and comment ☐ Signature ☐ Files ■

Thank you

Alaska Office
907 • 479-9555
P.O. Box 81904
Fairbanks, Alaska 99708

California Office
714 • 897-2733
P.O. Box 5365
Garden Grove, CA 92846

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

Alaska Petroleum Envir. Engineering
P.O.Box 5365
12802 Valley View St. #9
Garden Grove, CA 92846-0365

Attn : Glen Stillman
Phone: 714/897-2733

Number of Pages: 3
Date Received : 01/11/99
Date Reported : 01/18/99

ASL Job Number: 4404

Project Name : Former Sparkling Cleaners

Site: 11867 Valley View St. GG 99IC1

Enclosed are the results of analyses on 4 soil samples analyzed as specified on attached chain of custody.

Checked By _____

Approved By _____
ROJERT G. ARAGHI
LABORATORY DIRECTOR

38148W1

3225 San Fernando Road, Los Angeles, California 90065 • (323) 254-7700, Fax: (323) 254-7799

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

Alaska Petroleum Envir. Engineering
P.O.Box 5365
12802 Valley View St. #9
Garden Grove, CA 92846-0365

Attn : Glen Stillman
Phone: 714/897-2733

Number of Pages: 3
Date Received : 01/11/99
Date Reported : 01/18/99

ASL Job Number: 4404

Project Name : Former Sparkling Cleaners

Site: 11867 Valley View St. GG 99IC1

Enclosed are the results of analyses on 4 soil samples analyzed as specified on attached chain of custody.

Checked By Wahn

Approved By Rojert G. Araghi
ROJERT G. ARAGHI
LABORATORY DIRECTOR

3225 San Fernando Road, Los Angeles, California 90065 • (323) 254-7700, Fax: (323) 254-7799

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4404
Project Name: Former Sparkling Cleaners

Report To: (ALASKA)
Alaska Petroleum Envir. Engineering
P.O.Box 5365
12802 Valley View St. #9
Garden Grove, CA 92846-0365

Attn: Glen Stillman

Site:
11867 Valley View St. GG 99IC1

Phone: 714/897-2733

Method: (8010)
Halogenated Volatiles
Matrix: Soil
Units: ug/kg

Lab ID:	29841	29842	29843	29844	
Sample No:	B1-4EW	C1-4SEC	C3-4SWC	SP-28(3)6	
Date Sampled:	01/08/99	01/08/99	01/08/99	01/08/99	
Date Extracted:	01/11/99	01/11/99	01/11/99	01/11/99	**Detection**
Date Analyzed:	01/11/99	01/11/99	01/11/99	01/11/99	**Limit**
Bromobenzene	ND	ND	ND	ND	5
Bromodichloromethane	ND	ND	ND	ND	5
Bromoform	ND	ND	ND	ND	10
Bromomethane	ND	ND	ND	ND	10
Carbon Tetrachloride	ND	ND	ND	ND	5
Chlorobenzene	ND	ND	ND	ND	5
Chloroethane	ND	ND	ND	ND	10
Chloroform	ND	ND	ND	ND	5
Chloromethane	ND	ND	ND	ND	10
Dibromochloromethane	ND	ND	ND	ND	5
Dibromomethane	ND	ND	ND	ND	5
1,2 Dichlorobenzene	ND	ND	ND	ND	5
1,3 Dichlorobenzene	ND	ND	ND	ND	5
1,4 Dichlorobenzene	ND	ND	ND	ND	5
Dichlorodifluoromethane	ND	ND	ND	ND	10
1,1 Dichloroethane	ND	ND	ND	ND	5
1,2 Dichloroethane	ND	ND	ND	ND	5
1,1 Dichloroethene	ND	ND	ND	ND	5
CIS 1,2 Dichloroethene	ND	ND	ND	ND	5
TRNS 1,2 Dichloroethene	ND	ND	ND	ND	5
1,2 Dichloropropane	ND	ND	ND	ND	5
CIS 1,3 Dichloropropene	ND	ND	ND	ND	5
TRNS 1,3 Dichloropropene	ND	ND	ND	ND	5
Methylene Chloride	ND	ND	ND	ND	20
1,1,1,2 Tetrachloroethane	ND	ND	ND	ND	5
1,1,2,2 Tetrachloroethane	ND	ND	ND	ND	5
Tetrachloroethene	ND	ND	ND	ND	5
1,1,1 Trichloroethane	ND	ND	ND	ND	5
1,1,2 Trichloroethane	ND	ND	ND	ND	5
Trichloroethene	ND	ND	ND	ND	5
Trichlorofluoromethane	ND	ND	ND	ND	10
1,2,3 Trichloropropane	ND	ND	ND	ND	5
Vinyl Chloride	ND	ND	ND	ND	10

(Continued)

ND - Not Detected at The Detection Limit

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4404
Project Name: Former Sparkling Cleaners

Quality Control Report

Lab ID:	29841	29842	29843	29844
Surrogate %REC.				
Bromofluorobenzene	94	77	91	89

	Spike %REC.	**Spike DUP. %REC.**	**AVG. RPD**
Chlorobenzene	14	96	8
1,1 Dichloroethene	102	96	6.1
Trichloroethene	106	101	4.8

ND - Not Detected at The Detection Limit

3225 San Fernando Road, Los Angeles, California 90065 • (323) 254-7700, Fax: (323) 254-7799

4404

CHAIN OF CUSTODY
Orange County Health Care Agency
Environmental Health Division
2009 E. Edinger Ave., Santa Ana, CA 92705
Telephone: (714) 667-3700

1. **ALL SAMPLES ARE TO BE HANDLED AS COURT EVIDENCE, AND ARE TO BE PROPERLY STORED IN A SECURE LOCATION.**

2. **PLEASE WRITE LEGIBLY.**

3. **ATTACH THIS FORM TO THE ORIGINAL REPORT OF THE ANALYTICAL RESULTS AND RETURN THEM TO THIS OFFICE. LABORATORY RESULTS RECEIVED WITHOUT PROPER CHAIN OF CUSTODY DOCUMENTATION WILL NOT BE ACCEPTED.**

4. **TO BE COMPLETED BY LABORATORY ANALYST**

LAB NO.: 2200
DATE RECEIVED: 1-11-99
SAMPLE(S) CONDITION (PLEASE CHECK):
CHILLED: ✓ COUNTY SEAL(S) INTACT: ✓
CONTAINER IN GOOD CONDITION: ✓
DATE ANALYSIS COMPLETED: 1-11-99
ANALYST: [illegible]

5. **TO BE COMPLETED BY SAMPLE COLLECTOR**

SITE NAME/ADDRESS: former Sparkling Cleaners 11867 Valley View St., CG 90701
DATE OF COLLECTION: 1-8-99
SAMPLE COLLECTOR/COMPANY: Glenn Stillman / Alaska Pet & Env Eng.
TELEPHONE NO.: (714) 897-2733 x 107
HCA REPRESENTATIVE: Luis Lodriguez

6.

SAMPLE NUMBER	DETERMINATION REQUESTED	SAMPLE DESCRIPTION/COMMENTS	TIME OF COLLECTION
B1-4EW	EPA method 8010 for all	East wall @ 4' 29841	1:09
C1-4SEC	samples	SE Corner @ 4' 29842	1:06
C3-4SW		SW Corner @ 4' 29843	2:03
SP 28(3)6		Stockpile 6' from top of pile 29844	2:13

7. **CHAIN OF CUSTODY**

	SIGNATURE	COMPANY/AGENCY	INCLUSIVE DATES/TIMES
1.	[illegible]	HCA - EHD	1-8-99 -
2.	[illegible]	Alaska Petroleum Envr Engr	1/2/99 - 1/11/99
3.	[illegible]	ASL	1/11 @ - 1:30 P
4.			-
5.			-
6.			-

WHITE-RETURN THIS COPY TO ENVIRONMENTAL HEALTH, CANARY-LABORATORY COPY
PINK-CONTRACTOR/CONSULTANT COPY, GOLDENROD-OFFICE COPY

F272-9.1531.1(R8/89) CRS

RECEIVED
JAN 27 1999
ENVIRONMENTAL HEALTH

OUNTY OF ORANGE
HEALTH CARE AGENCY

PUBLIC HEALTH
DIVISION OF ENVIRONMENTAL HEALTH

LARRY M. LEAMAN
INTERIM DIRECTOR

HUGH F. STALLWORTH, M.D., MPH
DIRECTOR OF PUBLIC HEALTH/
HEALTH OFFICER

JACK MILLER, REHS
DEPUTY DIRECTOR

MAILING ADDRESS:
2009 EAST EDINGER AVENUE
SANTA ANA, CA 92705-4720

TELEPHONE: (714) 667-3600
FAX: (714) 972-0749

January 6, 1999

Mark Kelton-Vice President
Domain Corporation
2716 Ocean Park Boulevard, Suite 3006
Santa Monica, CA 90405-5207

Subject: **Request for Oversight**

Re: Former Sparkling Cleaners
Eastgate Plaza
11867 Valley View Avenue
Garden Grove, CA 92845
O.C.H.C.A. Case # 99IC1

Dear Mr. Kelton:

Based on information received by this Agency, it has been determined that a release of petroleum hydrocarbons has occurred at the location referenced above, and that the company you represent is responsible for the property at which this release occurred. Due to concerns that this release may represent a public health or environmental hazard, you have requested this Agency to oversee corrective action for the above-referenced location.

The documentation of this release has become a part of this Agency's records, and as such is now part of the public record. Be advised that in addition to local, state and federal hazardous substance release reporting requirements, any owner of nonresidential real property who knows, or has reasonable cause to believe, that any release of a hazardous substance has come to be located on or beneath that real property shall, prior to sale, lease, or rental of the real property, give written notice of that condition to each buyer, lessee, or renter of the real property (California Health and Safety Code [H&SC], Division 20, Chapter 6.8, Section 25359.7[a]). Also any lessee or renter of real property who knows or has reasonable cause to believe that any release of a hazardous substance has come or will come to be located on or beneath that real property shall, following its discovery, give written notice of that condition to the owner of the real property or the lessor (H&SC 25359.7[b]).

This Agency will provide governmental oversight at contaminated sites where State or Federal law does not require oversight by another governmental agency, or where an order to investigate or mitigate a site has not already been issued by an empowered State or Federal Agency. You may elect to have this Agency provide oversight at the above referenced site to satisfy possible city or county land use concerns; lender, buyer, lessee, or renter concerns; or your own concerns. Upon the satisfactory completion of a site investigation and any necessary soil remediation, this Agency will write a letter of completion. Where the site investigation reveals a possible threat to groundwater resources, your site

will be referred to the appropriate Regional Water Quality Control Board (RWQCB) for review. When the RWQCB requires soil remedial action you will be requested to submit remedial action plans to both Agencies for review and concurrence.

You may also request governmental oversight from the California's Environmental Protection Agency, Department of Toxic Substances Control (DTSC). This Agency may request that the DTSC review case documentation for the purpose of determining whether mandatory case oversight will be required, when the responsible party does not request voluntary governmental case oversight.

As you have acknowledged in your letter, a service fee will be assessed for the actual time Health Care Agency (HCA) staff expends in overseeing site remediation. Per resolution of the County Board of Supervisors, the current site cleanup oversight fee is $123 per hour.

A site investigation work plan will need to be submitted to this office for review and concurrence prior to implementation. The work plan should include the proposed methods used to obtain the following information:

1. An identification of the lateral and vertical extent of soil contamination and the concentration of contaminants.
2. The depth to groundwater.
3. A description of soil profile.

The plan must include:

1. A site history that will serve as rationale for the selection of the locations of soil samples and soil borings and laboratory methods.
2. The proposed number and locations of soil samples and soil borings, and sampling methodology.
3. The proposed laboratory analysis and methods
4. A health and safety plan where assessment activities pose a threat to public health.

All required permits must be obtained prior to beginning exploratory borings and construction of wells. All borings and abandoned wells must be properly sealed. Wells should be secured to prevent unauthorized access. For further information regarding required well permits and well abandonment, call (714) 667-3750. Drilling procedures, well design and construction. Design and procedures should be developed by a registered professional (R.G., C.E.G., R.C.E., or equivalent) with expertise in subsurface investigations. Reports that include logs of soil borings or any findings or conclusions relating to subsurface information must be signed by a properly registered professional (R.G., C.E.G., or equivalent).

Site assessment can begin as soon as possible after review and concurrence of the work plan by HCA staff. Be sure to notify this office 48 hours in advance of any site sampling activity.

The next step after completion of site investigation is the submittal to HCA for review and concurrence of a report that outlines the findings of the site investigation and presents a proposed remedial action plan. Possible proposals include:

1. Leaving contaminated soil in place
2. Reducing contamination to acceptable level

3. Monitoring of contaminant fate and movement

4. Removal of contaminated soil to background or non-detectable levels.

The remedial action plan should be implemented as soon as possible after review and concurrence by HCA staff. After the remedial action plan has been fully implemented, remediation completion will be determined by site sampling overseen by HCA staff.

If any material to be removed is hazardous waste as defined in the California Health & Safety Code, Chapter 6.5 or as identified n the California Code of Regulations, Title 22, Division 4.5, Chapter 30, the use of a registered hazardous waste hauler is required and a photocopy of every manifest, signed by the receiving facility, must be forwarded tot his office for verification of proper disposal. Contaminated soil not meeting hazardous waste criteria should not be removed and placed at other than a Class I hazardous waste landfill without verification by this Agency and approval of the appropriate Regional Water Quality Control Board.

This Agency will review the site remediation report dated December 22, 1998 submitted by your consultant, Alaska Petroleum Environmental Engineering, and will provide appropriate comments/recommendations as soon as possible.

If you have any questions regarding this matter, please contact me at (714) 667-3717.

Sincerely,

Luis Lodrigueza
Hazardous Waste Specialist
Hazardous Materials Management Section
Environmental Health Division

LL:

cc: Robert Holub, Santa Ana Regional Water Quality Control Board
Glenn Stillman, Alaska Petroleum Environmental Engineering
William J. Diekmann, O. C. Supervising Hazardous Waste Specialist

COUNTY OF ORANGE
HEALTH CARE AGENCY

LARRY M. LEAMAN
INTERIM DIRECTOR

HUGH F. STALLWORTH, M.D., MPH
DIRECTOR OF PUBLIC HEALTH/
HEALTH OFFICER

JACK MILLER, REHS
DEPUTY DIRECTOR

MAILING ADDRESS:
2009 EAST EDINGER AVENUE
SANTA ANA, CA 92705-4720

TELEPHONE: (714) 667-3600
FAX: (714) 972-0749

PUBLIC HEALTH
DIVISION OF ENVIRONMENTAL HEALTH

HAZARDOUS MATERIALS MANAGEMENT SECTION

SB 1248 NOTIFICATION

The County of Orange Environmental Health Division proposes to enter into a Remedial Action Agreement with the Responsible Party listed below. Pursuant to SB 1248 Chapter 671 [Article 4.2, Section 512, Chapter 1, Part 2 of Division 1 of the Health & Safety Code] the following information is provided as notification to your Agency.

A. Site Name Former Sparkling Cleaners Assessor's Parcel Number _____

Site Address Eastgate Plaza, 11867 Valley View Street, Garden Grove, CA 92845

B. Responsible Party Domain Corporation

Mailing Address 2716 Ocean Park Boulevard, Santa Monica, CA 90405-5207

Contact Person Mark Kelton-Vice President Telephone (310) 396-4514 Fax (310) 399-0062

C. Site Owner Domain Corporation

Mailing Address As above

Telephone (310) 396-4514

D. Any known or planned Local, State or Federal regulatory involvement? ☑ Yes ☐ No

Review of site remediation report; possible case closure

E. Notification Date January 6, 1999

If you have questions, please contact Luis Lodrigueza at (714) 667-3717 (*Phone*) or (714) 568-5116 (*Fax*).

Department of Toxic Substances Control ☑ Attn: Greg Holmes, Unit Chief Site Mitigation Cleanup Operations Southern California Branch 1011 Grandview Avenue Glendale, CA 91201 Phone: (818) 551-2812 Fax: (818) 551-2874	SA Regional Water Quality Control Board ☑ Attn: Robert Holub, Chief SLIC Program California Regional Water Quality Control Board Santa Ana Region 3737 Main Street, Suite 500 Riverside, CA 92501-3339 Phone: (909) 782-4130

A BOLLENBACHER & KELTON, INC. GROUP COMPANY
2716 Ocean Park Boulevard, Suite 3006 · Santa Monica, CA 90405-5207 · Phone (310) 396-4514
Fax (310) 399-0062

Officers
Louis L. Kelton
Richard Kelton
David Kelton
Mark Kelton

January 5, 1999

Mr. Luis Lodrigueza
Hazardous Waste Specialist
Hazardous Materials Management Section
Environmental Health Division
2009 E. Edinger Avenue
Santa Ana, California 92705

Subject: Request for Oversight

Re: Eastgate Center
11867 Valley View Avenue
Garden Grove, California 92840

Dear Mr. Lodrigueza:

I would like to request the Orange County Health Care Agency to oversee the site investigation and corrective action at the above referenced property. I understand that charges will be incurred for time spent by staff for oversight activities and will pay your agency $123 per hour for oversight costs. Please send your invoice to me at the following address:

Domain Corporation
2716 Ocean Park Boulevard, Suite 3006
Santa Monica, California 90405-5207

If you have any questions, please call me at 310/396-4514 or you may fax any correspondence to me at 310/399-0062.

Sincerely,

Domain Corporation

By: _____
Mark Kelton
Vice President

cc: Mr. Glenn Stillman
Alaska Petroleum Environmental Engineering

A BOLLENBACHER & KELTON, INC. GROUP COMPANY
2716 Ocean Park Boulevard, Suite 3006 - Santa Monica, CA 90405-5207 - Phone (310) 396-4514
Fax (310) 399-0062

Officers
Louis L. Kelton
Richard Kelton
David Kelton
Mark Kelton

FAX TRANSMISSION SHEET

DATE: 01/04/99

FROM: MARK KELTON, VP DOMAIN CORPORATION FAX: (310) 399-0062

TO: LUIS LODRIGUEZA FAX: (714) 568-5116

COMPANY: OCHCA

DEPT:

NUMBER OF PAGES FAXED INCLUDING THIS COVER SHEET: 2

COMMENTS:

COPIES TO BE MAILED [ ] NOT TO BE MAILED [✓]
IF YOU DO NOT RECEIVE ALL PAGES OF THIS TRANSMISSION, PLEASE CALL FARES REBEC AT (310) 396-4514.

Post-it™ Fax Note 7671	Date 1-4-99	# of pages ▶ ONE
To Glenn Stillman	From Luis Lodrigueza	
Co./Dept. Alaska Petrol Env Eng	Co. OCHCA	
Phone # (714) 897-3733	Phone # (714) 667-3717	
Fax # (714) 897-0031	Fax # (714) 568-5116	

Luis Lodrigueza
Hazardous Waste Specialist
Hazardous Materials Management Section
Environmental Health Division
2009 E. Edinger Avenue
Santa Ana, CA 92705

Subject: **Request for Oversight**

Re: **Site Name and Address**
Property Owner and Contact Address/Phone #

Dear Mr. Lodrigueza:

I would like to request the O. C. Health Care Agency to oversee the site investigation and corrective action at the above-referenced property. I understand that charges will be incurred for time spent by staff for oversight activities and will pay your agency $123 per hour for oversight cost. Please send your invoice to me at the following address:

MARK KELTON, Vice President
DOMAIN CORPORATION, 2716 OCEAN PARK BLVD, #3006
SANTA MONICA, CA 90405-5207

Enclosed are reports of previous investigations conducted at this site for your review/comments. (PHONE #IS: (310) 396-4514) (FAX # IS: (310) 399-0062)

If you have any questions, please call me at telephone number/fax number.

Sincerely,

Domain Corp.

By [signature]
Responsible Party

IC:volosightlerformat.icprog

RECEIVED
JAN 05 1999
ENVIRONMENTAL HEALTH

FIGURES

APPENDICES

Appendix A Photographs of the Property and Vicinity

Appendix B STANTEC RESUMES

Appendix C USER PROVIDED RECORDS

Appendix D ENVIRONMENTAL AGENCY DATABASE SEARCH REPORT

Appendix E HISTORICAL RECORDS

Appendix F AGENCY RECORDS

Appendix G LABORATORY ANALYTICAL REPORTS

Appendix E

Preliminary Water Quality Management Plan, 5802 Santa Catalina

Advanced Civil Group, Inc.

May 9, 2024

City of Garden Grove, California

Preliminary Water Quality Management Plan

(WQMP)

Project Name:

Brandywine Garden Grove

5802 Santa Catalina

Garden Grove, CA 92845

(APN: 224-212-01)

Prepared By: R. Steven Austin, R.C.E. No. 68795

APPROVED BY:

_____

CITY ENGINEER R.C.E. No. 52125 Exp. 12/31/24 - Date

THIS WQMP IS SIGNED BY THE PUBLIC WORKS DEPARTMENT FOR CONCEPT AND ADHERENCE TO CITY STANDARDS AND REQUIREMENTS ONLY. THE PUBLIC WORKS DEPARTMENT IS NOT RESPONSIBLE FOR DESIGN, DESIGN ASSUMPTIONS, OR ACCURACY.

GARDEN GROVE

Preliminary Water Quality Management Plan (WQMP)

Project Name:

Brandywine Garden Grove

Prepared for:

Brandywine Homes

2355 Main Street #220

Irvine, CA 92614

(949) 296-2400

Prepared by:

Advanced Civil Group

Engineer R. Steven Austin Registration No. 68795

30251 Golden Lantern, Suite E, PMB 251

Laguna Niguel, CA 92677

(866) 338-5778

Priority Project

5/9/2024

Project Owner's Certification

Permit/Application No.		Grading Permit No.	
Tract/Parcel Map No.	TTM 19336	Building Permit No.	
CUP, SUP, and/or APN (Specify Lot Numbers if Portions of Tract)			

This Water Quality Management Plan (WQMP) has been prepared for Brandywine Homes by Advanced Civil Group. The WQMP is intended to comply with the requirements of the local NPDES Stormwater Program requiring the preparation of the plan.

The undersigned, while it owns the subject property, is responsible for the implementation of the provisions of this plan and will ensure that this plan is amended as appropriate to reflect up-to-date conditions on the site consistent with the current Orange County Drainage Area Management Plan (DAMP) and the intent of the non-point source NPDES Permit for Waste Discharge Requirements for the County of Orange, Orange County Flood Control District and the incorporated Cities of Orange County within the Santa Ana Region. Once the undersigned transfers its interest in the property, its successors-in-interest shall bear the aforementioned responsibility to implement and amend the WQMP. An appropriate number of approved and signed copies of this document shall be available on the subject site in perpetuity.

Each Project WQMP will be stored within the City's files, and will continue with the property after the completion of the construction phase, and the City may require that the terms, conditions and requirements be recorded with the County Recorder's office by the property owner or any successive owner as authorized by the Water Quality Ordinance. In lieu of recordation, the City may require the Project WQMP to include a Notice of Transfer Responsibility Form, which serves to notify the City that a change in ownership has occurred and notify the new owner of its responsibility to continue implementing the Project WQMP.

The final Project WQMP must include calculations to support the structural integrity of the selected LID or treatment control BMP as appropriate and be prepared by or under the direction of a California Registered Civil Engineer and affixed with their stamp.

Owner:			
Title	Brandywine Homes		
Company	Brandywine Homes		
Address	2355 Main Street #220, Irvine, CA 92614		
Email	sarah@brandywine-homes.com		
Telephone #	(949) 296-2400		
Signature		Date	

Contents

Page No.

Section I Discretionary Permit(s) and Water Quality Conditions **3**
Section II Project Description **4**
Section III Site Description **10**
Section IV Best Management Practices (BMPs) **12**
Section V Inspection/Maintenance Responsibility for BMPs **24**
Section VI Site Plan and Drainage Plan **26**
Section VII Educational Materials **27**

Attachments

Attachment A ……..……LID Feasibility Screening and Calculation Worksheets

Attachment B …….…..Educational Materials

Attachment C ..... Geotechnical Report

Section I Discretionary Permit(s) and Water Quality Conditions

Provide discretionary permit and water quality information. *Refer to Section 2.1 in the Technical Guidance Document (TGD) available from the Orange County Stormwater Program (ocwatersheds.com).*

Project Infomation			
Permit/Application No.		Tract/Parcel Map No.	TTM 19336
Additional Information/ Comments:			
Water Quality Conditions			
Water Quality Conditions (list verbatim)	tbd		
Watershed-Based Plan Conditions			
Provide applicable conditions from watershed - based plans including WIHMPs and TMDLS.	n/a		

Section II Project Description

II.1 Project Description

Provide a detailed project description including:

- Project areas;
- Land uses;
- Land cover;
- Design elements;
- A general description not broken down by drainage management areas (DMAs).

Include attributes relevant to determining applicable source controls. *Refer to Section 2.2 in the TGD for information that must be included in the project description.*

Description of Proposed Project				
Development Category (Verbatim from WQMP):	All significant redevelopment projects, where significant redevelopment is defined as the addition or replacement of 5,000 or more square feet of impervious surface on an already developed site. Redevelopment does not include routine maintenance activities that are conducted to maintain original line and grade, hydraulic capacity, original purpose of the facility, or emergency redevelopment activity required to protect public health and safety.			
Project Area (ft²): 75,585	Number of Dwelling Units: 26		SIC Code: 1521	
Narrative Project Description:	The proposed improvements include twenty-six townhomes, drive aisles, landscape areas, and hardscape.			
Project Area	Pervious		Impervious	
	Area (acres or sq ft)	Percentage	Area (acres or sq ft)	Percentage
Pre-Project Conditions	0.06 ac	3.2%	1.68 ac	96.8%
Post-Project Conditions	0.40 ac	23.2%	1.34 ac	76.8%

Drainage Patterns/Connections	The post development drainage will consist of sheet flow drainage in drive aisles which flow to gutters and then to onsite catch basins. Other drainage includes area drain inlets in landscape areas. All drainage that is captured by the catch basins and area drains will flow in underground storm drain pipes to a proprietary biotreatment system that will treat the water. Runoff will then be pumped to a curb core drain which flows to the public street.

II.2 Potential Stormwater Pollutants

Determine and list expected stormwater pollutants based on land uses and site activities. *Refer to Section 2.2.2 and Table 2.1 in the TGD for guidance.*

Pollutants of Concern			
Pollutant	Circle One: E=Expected to be of concern	N=Not Expected to be of concern	Additional Information and Comments
Suspended-Solid/ Sediment	E	N	From landscape areas
Nutrients	E	N	From landscape areas
Heavy Metals	E	N	None used on site
Pathogens (Bacteria/Virus)	E	N	From residential use
Pesticides	E	N	From landscape areas
Oil and Grease	E	N	From vehicle use
Toxic Organic Compounds	E	N	None used on site
Trash and Debris	E	N	From residential use

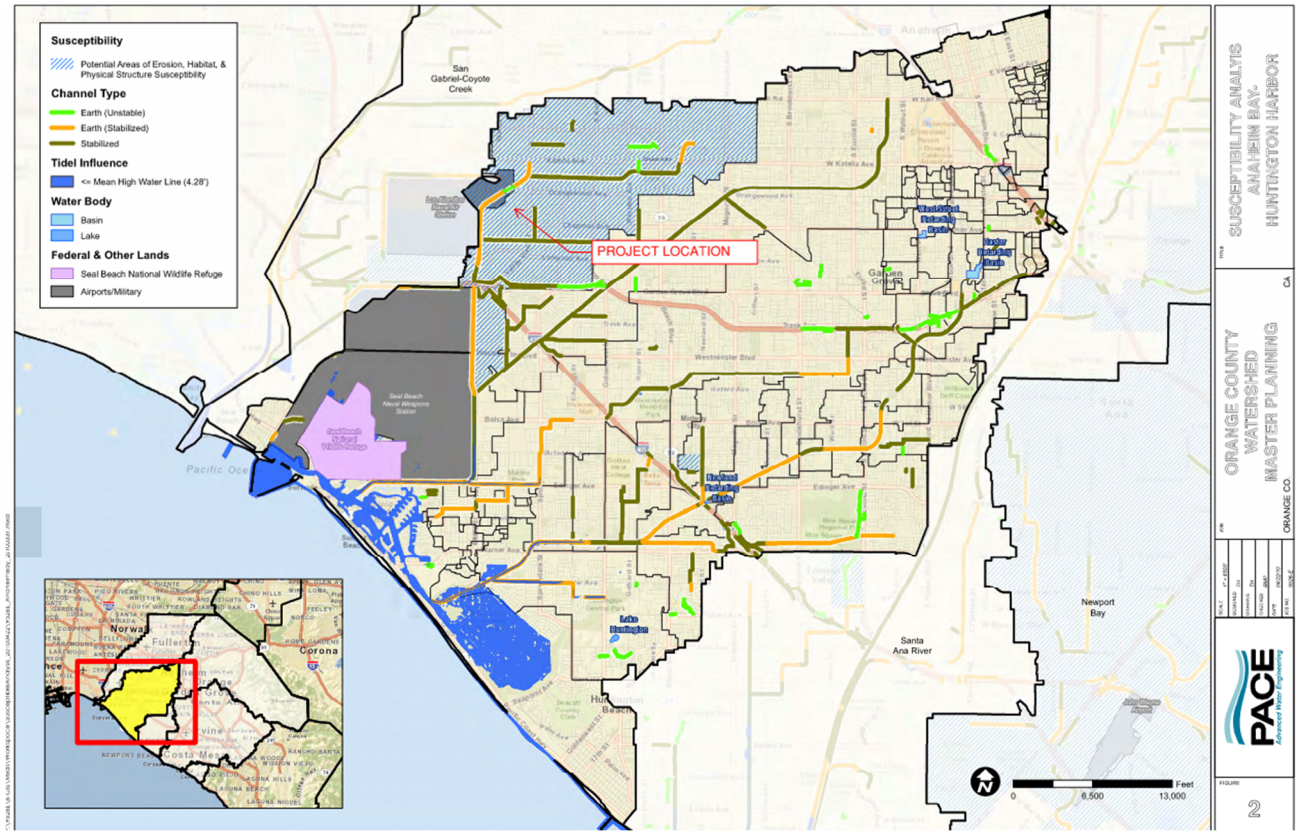
II.3 Hydrologic Conditions of Concern

Determine if streams located downstream from the project area are determined to be potentially susceptible to hydromodification impacts. *Refer to Section 2.2.3.1 in the TGD for* NOC *or Section 2.2.3.2 for* <SOC>.

☐ No – Show map

☒ Yes – Describe applicable hydrologic conditions of concern below. *Refer to Section 2.2.3 in the TGD.*

Project is located in a potential area of erosion, habitat, and physical structure susceptibility.



II.4 Post Development Drainage Characteristics

Describe post development drainage characteristics. Refer *to Section 2.2.4 in the TGD.*

The post development drainage will consist of sheet flow drainage in drive aisles which flow to gutters and then to onsite catch basins. Other drainage includes area drain inlets in landscape areas. All drainage that is captured by the catch basins and area drains will flow in underground storm drain pipes to a proprietary biotreatment system that will treat the water. Runoff will then be pumped to a curb core drain which flows to the public street.

II.5 Property Ownership/Management

Describe property ownership/management. *Refer to Section 2.2.5 in the TGD.*

The property is owned by Brandywine Home. Future ownership of drainage facilities will be under a future HOA.

Section III Site Description

III.1 Physical Setting

Fill out table with relevant information. *Refer to Section 2.3.1 in the TGD.*

Planning Area/ Community Name	Garden Grove
Location/Address	5802 Santa Catalina
	Garden Grove, CA 92845
Land Use	Residential
Zoning	R-1, Single Family Residential
Acreage	1.74
Predominant Soil Type	Hydrologic Soil Group A

III.2 Site Characteristics

Fill out table with relevant information and include information regarding BMP sizing, suitability, and feasibility, as applicable. Refer to Section 2.3.2 in the TGD.

Precipitation Zone	*0.79*
Topography	*The site slopes from north to south from an elevation of approximately 33.60′ to an elevation of 31.80′.*
Drainage Patterns/Connections	*The stie drainage pattern consists of sheet flow from north to south.*
Soil Type, Geology, and Infiltration Properties	*From a geotechnical perspective, allowing storm water to infiltrate the onsite soil in concentrated areas increases the potential for settlement, liquefaction, and water-related damage to structures/improvements, such as wet slabs or*

	pumping subgrade, and should be avoided where possible. If infiltration systems are required on this site, care should be taken in designing systems that control the storm water as much as possible. *Preliminary infiltration testing was conducted at the site as part of this investigation, and the methodology is discussed in 3.2. The resulting infiltration rates for P-1 and P-2 were calculated to be 0.1-inches per hour. The results do not include a factor of safety.* *Groundwater was encountered during our investigation at a depth of 13.75 and 13.25 feet below the ground surface in borings B-1 and B-2, respectively. The historic high ground water is approximately 10 feet below the ground surface (CGS, 1997).* *Based on our observations and testing, the upper soils are comprised of very fine to fine grained sandy silts in a moist to wet condition that exhibit relatively low infiltration rates. The WQMP designer should review the test results and determine if the proposed BMP system is appropriate for the site. The Project Geotechnical Consultant should review the final WQMP design prior to construction.*

Site Characteristics (continued)	
Hydrogeologic (Groundwater) Conditions	*Groundwater was encountered at a depth of 13.25 to 13.75 feet below the ground surface during our subsurface investigation. Based on state-provided information, the historic-high groundwater is approximately 10 feet below the ground surface (CGS, 1997).*
Geotechnical Conditions (relevant to infiltration)	*Infiltration is infeasible.*
Off-Site Drainage	*Drainage from the property to the north will be controlled by a separate improvement plan.*

Utility and Infrastructure Information	*There is no existing utility or infrastructure system on the 1.74 ac property.*

III.3 Watershed Description

Fill out table with relevant information and include information regarding BMP sizing, suitability, and feasibility, as applicable. *Refer to Section 2.3.3 in the TGD.*

Receiving Waters	Bolsa Chica Control Channel to Seal Beach
303(d) Listed Impairments	Bacteria Pathogens, Salinity/TDS/Chlorides
Applicable TMDLs	n/a
Pollutants of Concern for the Project	Bacteria Indicators/Pathogens, Other Organics
Environmentally Sensitive and Special Biological Significant Areas	n/a

Section IV Best Management Practices (BMPs)

IV. 1 Project Performance Criteria

Describe project performance criteria. Several steps must be followed in order to determine what performance criteria will apply to a project. These steps include:

- If the project has an approved WIHMP or equivalent, then any watershed specific criteria must be used and the project can evaluate participation in the approved regional or sub-regional opportunities. The local Permittee planning or NPDES staff should be consulted regarding the existence of an approved WIHMP or equivalent.
- Determine applicable hydromodification control performance criteria. *Refer to Section 7.II-2.4.2.2 of the Model WQMP.*
- Determine applicable LID performance criteria. *Refer to Section 7.II-2.4.3 of the Model WQMP.*
- Determine applicable treatment control BMP performance criteria. *Refer to Section 7.II-*3.2.2 *of the Model WQMP.*
- Calculate the LID design storm capture volume for the project. *Refer to Section 7.II-2.4.3 of the Model WQMP.*

(NOC Permit Area only) Is there an approved WIHMP or equivalent for the project area that includes more stringent LID feasibility criteria or if there are opportunities identified for implementing LID on regional or sub-regional basis?	YES ☐	NO ☐
If yes, describe WIHMP feasibility criteria or regional/sub-regional LID opportunities.	n/a	

Project Performance Criteria (continued)	
If HCOC exists, list applicable hydromodification control performance criteria (Section 7.II-2.4.2.2 in MWQMP)	A project does not have an HCOC if either of the following conditions is met: • The volumes and time of concentration of stormwater runoff for the postdevelopment condition do not significantly exceed those of the predevelopment condition for a two-year frequency storm event (a difference of five percent or less is considered insignificant).
List applicable LID performance criteria (Section 7.II-2.4.3 from MWQMP)	A properly designed biotreatment system may only be considered if infiltration, harvest and use, and evapotranspiration (ET) cannot be feasibly implemented for the full design capture volume. In this case, infiltration, harvest and use, and ET practices must be implemented to the greatest extent feasible and biotreatment may be provided for the remaining design capture volume.
List applicable treatment control BMP performance criteria (Section 7.II-3.2.2 from MWQMP)	This section contains performance criteria for treatment control BMPs. Note that satisfaction of LID performance criteria also fully satisfies treatment control performance criteria.
Calculate LID design storm capture volume for Project.	Tc = 8 min Use Figure III.4, I_1 = 0.23 in/hr A = 1.74 ac Imp = 0.768 C = 0.75 x imp + 0.15 = 0.75 x 0.768 + 0.15 = 0.726 Q = C x i x A = 0.726 x 0.23 x 1.74 = 0.29 cfs

IV.2. SITE DESIGN AND DRAINAGE PLAN

Describe site design and drainage plan including

- A narrative of site design practices utilized or rationale for not using practices;
- A narrative of how site is designed to allow BMPs to be incorporated to the MEP
- A table of DMA characteristics and list of LID BMPs proposed in each DMA.
- Reference to the WQMP plot plan.
- Calculation of Design Capture Volume (DCV) for each drainage area.
- A listing of GIS coordinates for LID and Treatment Control BMPs (unless not required by local jurisdiction).

Refer to Section 2.4.2 in the TGD.

The post development drainage will consist of sheet flow drainage in drive aisles which flow to gutters and then to onsite catch basins. Other drainage includes area drain inlets in landscape areas. All drainage that is captured by the catch basins and area drains will flow in underground storm drain pipes to a proprietary biotreatment system that will treat the water. Runoff will then be pumped to a curb core drain which flows to the public street.

IV.3 LID BMP SELECTION AND PROJECT CONFORMANCE ANALYSIS

Each sub-section below documents that the proposed design features conform to the applicable project performance criteria via check boxes, tables, calculations, narratives, and/or references to worksheets. *Refer to Section 2.4.2.3 in the TGD for selecting LID BMPs and Section 2.4.3 in the TGD for conducting conformance analysis with project performance criteria.*

IV.3.1 Hydrologic Source Controls

If required HSCs are included, fill out applicable check box forms. If the retention criteria are otherwise met with other LID BMPs, include a statement indicating HSCs not required.

Name	Included?
Localized on-lot infiltration	☐
Impervious area dispersion (e.g. roof top disconnection)	☐
Street trees (canopy interception)	☐
Residential rain barrels (not actively managed)	☐
Green roofs/Brown roofs	☐
Blue roofs	☐
Impervious area reduction (e.g. permeable pavers, site design)	☐
Other: n/a	☒
Other:	☐
Other:	☐
Other:	☐
Other:	☐
Other:	☐
Other:	☐
Other:	☐

IV.3.2 Infiltration BMPs

Identify infiltration BMPs to be used in project. If design volume cannot be met state why BMPs cannot be met

Name	Included?
Bioretention without underdrains	☐
Rain gardens	☐
Porous landscaping	☐
Infiltration planters	☐
Retention swales	☐
Infiltration trenches	☐
Infiltration basins	☐
Drywells	☐
Subsurface infiltration galleries	☐
French drains	☐
Permeable asphalt	☐
Permeable concrete	☐
Permeable concrete pavers	☐
Other: n/a	☒
Other:	☐

Show calculations below to demonstrate if the LID Design Strom Capture Volume can be met with infiltration BMPs. If not document how much can be met with infiltration and document why it is not feasible to meet the full volume with infiltration BMPs.

Infiltration is infeasible per soils report

IV.3.3 Evapotranspiration, Rainwater Harvesting BMPs

If the full Design Storm Capture Volume cannot be met with infiltration BMPs, describe any evapotranspiration, rainwater harvesting BMPs. <Delete or leave blank if not used>

Name	Included?
All HSCs; *See Section IV.3.1*	☐
Surface-based infiltration BMPs	☐
Biotreatment BMPs	☐
Above-ground cisterns and basins	☐
Underground detention	☐
Other: n/a	☒
Other:	☐
Other:	☐

Show calculations below to demonstrate if the LID Design Strom Capture Volume can be met with evapotranspiration, rainwater harvesting BMPs in combination with infiltration BMPs. If not document how much can be met with either infiltration BMPs, evapotranspiration, rainwater harvesting BMPs, or a combination, and document why it is not feasible to meet the full volume with either of these BMPs categories.

Evapotranspiration, Rainwater Harvesting is infeasible (see calculation in Appendix)

IV.3.4 Biotreatment BMPs

If the full Design Storm Capture Volume cannot be met with infiltration BMPs, and/or evapotranspiration and rainwater harvesting BMPs, describe biotreatment BMPs. Include sections for selection, suitability, sizing, and infeasibility, as applicable. <Delete or leave blank if not used>

Name	Included?
Bioretention with underdrains	☐
Stormwater planter boxes with underdrains	☐
Rain gardens with underdrains	☐
Constructed wetlands	☐
Vegetated swales	☐
Vegetated filter strips	☐
Proprietary vegetated biotreatment systems	☒
Wet extended detention basin	☐
Dry extended detention basins	☐
Other:	☐
Other:	☐

Show calculations below to demonstrate if the LID Design Strom Capture Volume can be met with infiltration, evapotranspiration, rainwater harvesting and/or biotreatment BMPs. If not document how much can be met with either infiltration BMPs, evapotranspiration, rainwater harvesting BMPs, or a combination, and document why it is not feasible to meet the full volume with either of these BMPs categories.

Sizing per manufacturer meets the minimum treatment flow rate.

IV.3.5 Hydromodification Control BMPs

Describe hydromodification control BMPs. See Section 5 TGD. Include sections for selection, suitability, sizing, and infeasibility, as applicable. Detail compliance with Prior Conditions of Approval. <Delete or leave blank if not used>

Hydromodification Control BMPs	
BMP Name	**BMP Description**

IV.3.6 Regional/Sub-Regional LID BMPs

Describe regional/sub-regional LID BMPs in which the project will participate. *Refer to Section 7.II-2.4.3.2 of the Model WQMP*. <Delete or leave blank if not used>

Regional/Sub-Regional LID BMPs

IV.3.7 Treatment Control BMPs

Treatment control BMPs can only be considered if the project conformance analysis indicates that it is not feasible to retain the full design capture volume with LID BMPs. Describe treatment control BMPs including sections for selection, sizing, and infeasibility, as applicable. <Delete or leave blank if not used>

Treatment Control BMPs	
BMP Name	**BMP Description**

IV.3.8 Non-structural Source Control BMPs

Fill out non-structural source control check box forms or provide a brief narrative explaining if non-structural source controls were not used.

Non-Structural Source Control BMPs				
Identifier	**Name**	**Check One**		**If not applicable, state brief reason**
		Included	**Not Applicable**	
N1	Education for Property Owners, Tenants and Occupants	☒	☐	
N2	Activity Restrictions	☒	☐	
N3	Common Area Landscape Management	☒	☐	
N4	BMP Maintenance	☒	☐	
N5	Title 22 CCR Compliance (How development will comply)	☐	☒	Residential Site
N6	Local Industrial Permit Compliance	☐	☒	Residential Site
N7	Spill Contingency Plan	☐	☒	Residential Site
N8	Underground Storage Tank Compliance	☐	☒	No tanks proposed
N9	Hazardous Materials Disclosure Compliance	☐	☒	No hazardous materials proposed
N10	Uniform Fire Code Implementation	☐	☒	No hazardous materials proposed
N11	Common Area Litter Control	☒	☐	
N12	Employee Training	☐	☐	
N13	Housekeeping of Loading Docks	☐	☒	No loading docks proposed
N14	Common Area Catch Basin Inspection	☒	☐	
N15	Street Sweeping Private Streets and Parking Lots	☒	☐	
N16	Retail Gasoline Outlets	☐	☒	Residential site

IV.3.9 Structural Source Control BMPs

Fill out structural source control check box forms or provide a brief narrative explaining if Structural source controls were not used.

Structural Source Control BMPs				
Identifier	**Name**	**Check One**		**If not applicable, state brief reason**
		Included	**Not Applicable**	
S1	Provide storm drain system stenciling and signage	☒	☐	
S2	Design and construct outdoor material storage areas to reduce pollution introduction	☐	☒	No outdoor material storage proposed
S3	Design and construct trash and waste storage areas to reduce pollution introduction	☒	☐	
S4	Use efficient irrigation systems & landscape design, water conservation, smart controllers, and source control	☒	☐	
S5	Protect slopes and channels and provide energy dissipation	☐	☒	No slopes or channels proposed
	Incorporate requirements applicable to individual priority project categories (from SDRWQCB NPDES Permit)	☐	☒	No slopes or channels proposed
S6	Dock areas	☐	☒	No docks proposed
S7	Maintenance bays	☐	☒	No maintenance bays proposed
S8	Vehicle wash areas	☐	☒	No vehicle wash areas proposed
S9	Outdoor processing areas	☐	☒	No outdoor processing areas proposed
S10	Equipment wash areas	☐	☒	No equipment wash areas proposed
S11	Fueling areas	☐	☒	No fueling areas proposed
S12	Hillside landscaping	☐	☒	No hillside landscaping proposed
S13	Wash water control for food preparation areas	☐	☒	No food preparation areas proposed
S14	Community car wash racks	☐	☒	No car wash proposed

IV.4 ALTERNATIVE COMPLIANCE PLAN (IF APPLICABLE)

IV.4.1 Water Quality Credits

Determine if water quality credits are applicable for the project. *Refer to Section 3.1 of the Model WQMP for description of credits and Appendix VI of the TGD for calculation methods for applying water quality credits.*

Description of Proposed Project				
Project Types that Qualify for Water Quality Credits (Select all that apply):				
☐Redevelopment projects that reduce the overall impervious footprint of the project site.	☐Brownfield redevelopment, meaning redevelopment, expansion, or reuse of real property which may be complicated by the presence or potential presence of hazardous substances, pollutants or contaminants, and which have the potential to contribute to adverse ground or surface WQ if not redeveloped.		☐ Higher density development projects which include two distinct categories (credits can only be taken for one category): those with more than seven units per acre of development (lower credit allowance); vertical density developments, for example, those with a Floor to Area Ratio (FAR) of 2 or those having more than 18 units per acre (greater credit allowance).	
☐ Mixed use development, such as a combination of residential, commercial, industrial, office, institutional, or other land uses which incorporate design principles that can demonstrate environmental benefits that would not be realized through single use projects (e.g. reduced vehicle trip traffic with the potential to reduce sources of water or air pollution).		☐ Transit-oriented developments, such as a mixed use residential or commercial area designed to maximize access to public transportation; similar to above criterion, but where the development center is within one half mile of a mass transit center (e.g. bus, rail, light rail or commuter train station). Such projects would not be able to take credit for both categories, but may have greater credit assigned		☐ Redevelopment projects in an established historic district, historic preservation area, or similar significant city area including core City Center areas (to be defined through mapping).
☐Developments with dedication of undeveloped portions to parks, preservation areas and other pervious uses.	☐ Developments in a city center area.	☐ Developments in historic districts or historic preservation areas.	☐ Live-work developments, a variety of developments designed to support residential and vocational needs together – similar to criteria to mixed use development; would not be able to take credit for both categories.	☐In-fill projects, the conversion of empty lots and other underused spaces into more beneficially used spaces, such as residential or commercial areas.
Calculation of Water Quality Credits (if applicable)	n/a			

IV.4.2 Alternative Compliance Plan Information

Describe an alternative compliance plan (if applicable). Include alternative compliance obligations (i.e., gallons, pounds) and describe proposed alternative compliance measures. *Refer to Section 7.II 3.0 in the WQMP.*

n/a

Section V Inspection/Maintenance Responsibility for BMPs

Fill out information in table below. Prepare and attach an Operation and Maintenance Plan. Identify the mechanism through which BMPs will be maintained, including any documenting forms, required permits (if any) . Inspection and maintenance records must be kept for a minimum of five years for inspection by the regulatory agencies. *Refer to Section 7.II 4.0 in the Model WQMP.*

BMP Inspection/Maintenance			
BMP	**Reponsible Party(s)**	**Inspection/ Maintenance Activities Required**	**Minimum Frequency of Activities**
Catch Basin and Drain Inlets	HOA	Inspect as required. Remove trash and debris.	After each storm event and annually. Cleaned prior to the storm season each year by October 1st.
Proprietary Biotreatment	HOA	Inspect as required. Remove trash and debris.	Twice per year
Education for Property Owners, Tenants, and Occupants	HOA	Educational materials will be provided to homeowners upon occupancy (see Appendix).	Once
Activity Restrictions	HOA	Activity and use restrictions will be developed and enforced by the HOA through CC&Rs.	Ongoing

BMP Inspection/Maintenance			
BMP	**Reponsible Party(s)**	**Inspection/ Maintenance Activities Required**	**Minimum Frequency of Activities**
Street Sweeping Private Streets and Parking Lots	HOA	Private streets and drive aisles must be swept quarterly, including prior to the start of the rainy season (October 1st).	Quarterly
Provide Storm Drain System Stencilling and Signage	HOA	Private storm drain stencils shall be inspected for legibility, at minimum, once prior to the storm season, no later than October 1st each year. Those determined to be illegible will be re-stencilled as soon as possible.	Annually
Use efficient irrigation systems & landscape design, water conservation, smart controllers, and source control	HOA	In conjunction with routine maintenance activities, verify that landscape design continues to function properly by adjusting properly to eliminate overspray to hardscape areas, and to verify that irrigation timing and cycle lengths are adjusted in accordance with water demands, given time of year,	Monthly

		weather, day or nighttime temperatures based on system specifications and local climate patterns.	

Section VI Site Plan and Drainage Plan

VI.1 SITE PLAN AND DRAINAGE PLAN

Include a site plan and drainage plan sheet set containing the following minimum information:

- Project location
- Site boundary
- Land uses and land covers, as applicable
- Suitability/feasibility constraints
- Structural BMP locations
- Drainage delineations and flow information
- Drainage connections
- BMP details

EXISTING HYDROLOGY EXHIBIT

IN THE CITY OF GARDEN GROVE
COUNTY OF ORANGE, STATE OF CALIFORNIA

PROPERTY ADDRESS:

5802 SANTA CATALINA, CA
GARDEN GROVE, CA 92845

LOT AREA:

LOT	(AC)
1	1.74

LEGEND:

FLOW PATH

SCALE 1"=40'

WQMP SITE PLAN

IN THE CITY OF GARDEN GROVE
COUNTY OF ORANGE, STATE OF CALIFORNIA

PROPERTY ADDRESS:

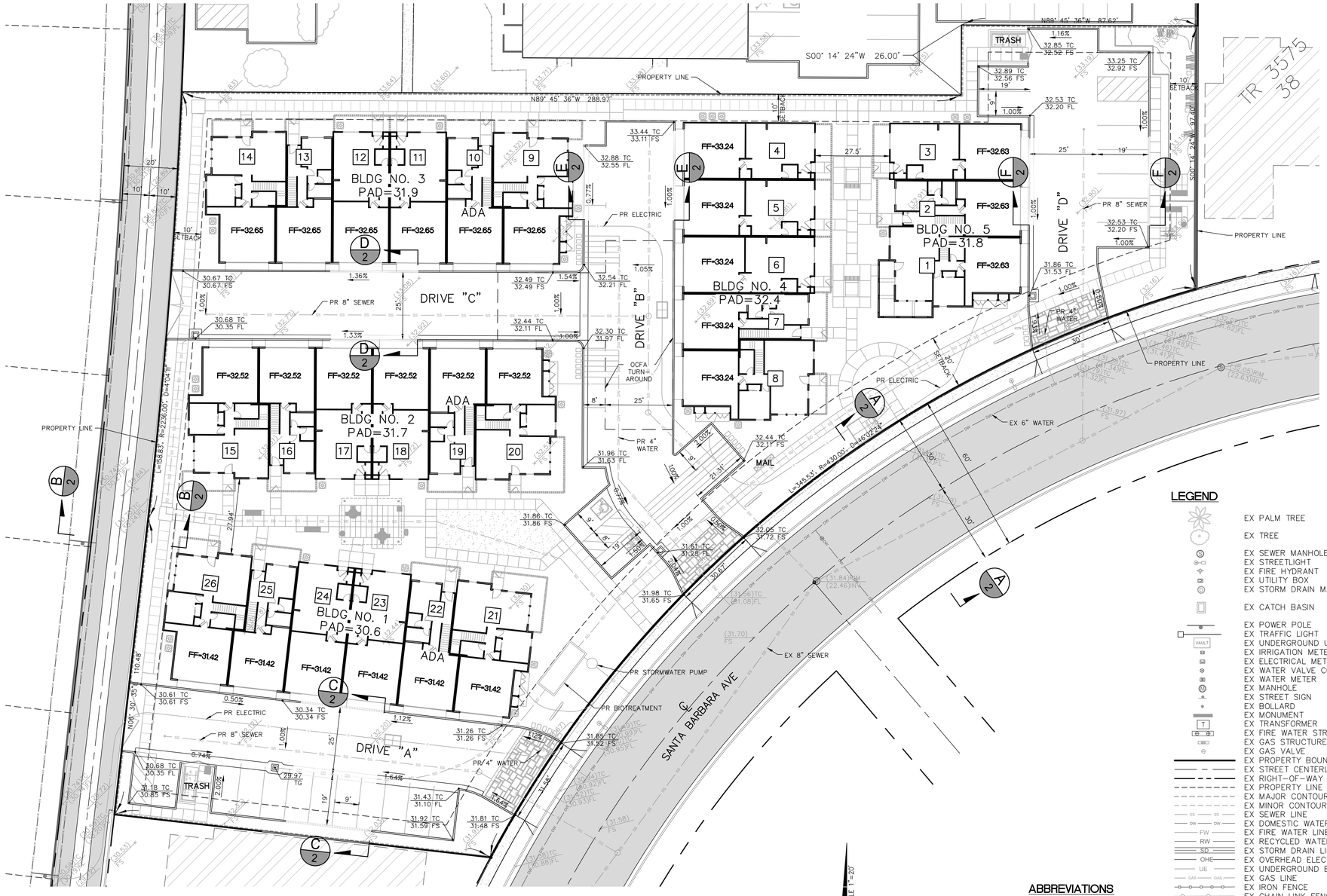
5802 SANTA CATALINA, CA
GARDEN GROVE, CA 92845

SCALE 1"=40'

TENTATIVE TRACT MAP NO. 19336

FOR CONDOMINIUM PURPOSES

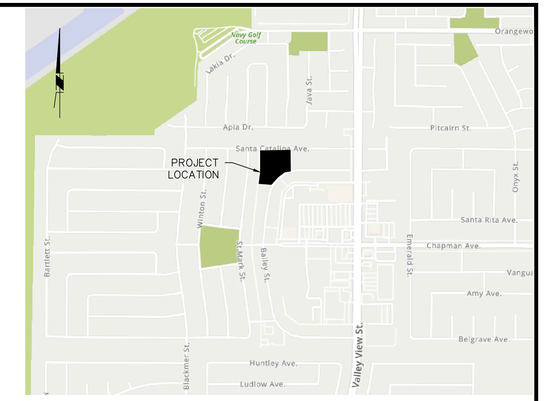
IN THE CITY OF GARDEN GROVE
COUNTY OF ORANGE, STATE OF CALIFORNIA



SCALE 1"=20'

20 10 0 20 40 60

SCALE: 1"=20'



VICINITY MAP
NOT TO SCALE

GENERAL NOTES

1. EXISTING LAND USE: LOW DENSITY RESIDENTIAL
2. PROPOSED LAND USE: SINGLE-FAMILY RESIDENTIAL AND COMMUNITY COMMERCIAL
3. EXISTING ZONING: R-1, SINGLE-FAMILY RESIDENTIAL
4. WATER SERVICE PROVIDED BY: CITY OF GARDEN GROVE
5. SEWER SERVICE PROVIDED BY: CITY OF GARDEN GROVE
6. ELECTRICAL SERVICE PROVIDED BY: SOUTHERN CALIFORNIA EDISON
7. GAS SERVICE PROVIDED BY: SOCAL GAS CO.
8. TELEPHONE SERVICE PROVIDED BY: SPECTRUM
9. CABLE TELEVISION PROVIDED BY: SPECTRUM
10. PROJECT IS WITHIN THE GARDEN GROVE UNIFIED SCHOOL DISTRICT
11. ALL LOTS SHALL BE HOMEOWNER MAINTAINED
12. NO KNOWN ACTIVE FAULTS ARE KNOWN TO PROJECT THROUGH THE SITE NOR DOES THE SITE LIE WITHIN THE BOUNDARIES OF AN "EARTHQUAKE FAULT ZONE" AS DEFINED BY THE STATE OF CALIFORNIA IN THE ALQUIST-PRIOLO EARTHQUAKE FAULT ZONING ACT.
13. PROPERTY IS LOCATED WITHIN FLOOD ZONE "X" PER FIRM PANEL 06059C0116J EFFECTIVE ON 12/03/2009
14. ASSESSOR'S PARCEL NUMBER: 224-212-01

LEGAL DESCRIPTION

PARCEL 1:

LOTS 49, 50, 51, 52, 53 AND 54 OF TRACT NO. 3575, AS PER MAP RECORDED IN BOOK 122, PAGES 46 TO 49 INCLUSIVE OF MISCELLANEOUS MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

EXCEPTING THEREFROM ONE-HALF OF ALL THE MINERALS, GAS, OILS, PETROLEUM, NAPHTHA AND OTHER HYDROCARBON SUBSTANCES, IN, ON OR UNDER SAID LAND, AS RESERVED IN THE DEED FROM ERNEST A. BRYANT, JR. AND ALLEN L. CHICKERING, AS EXECUTORS OF THE LAST WILL AND TESTAMENT OF SUSANNA BIXBY BRYANT, DECEASED TO ALE TUINHOUT AND WIFE, RECORDED JULY 5, 1947 IN BOOK 1533, PAGE 249, OFFICIAL RECORDS.

BY A QUITCLAIM DEED RECORDED JULY 13, 1959 IN BOOK 4795, PAGE 522, OFFICIAL RECORDS, ALL INTEREST AND RIGHTS WERE RELINQUISHED ABOVE A DEPTH OF 500 FEET FROM THE SURFACE THEREOF.

ALSO EXCEPTING THEREFROM ALL WATER AND SUBSURFACE WATER RIGHTS, WITHOUT THE RIGHT OF SURFACE ENTRY, AS DEDICATED OR RESERVED IN INSTRUMENTS OF RECORD.

PARCEL 2:

LOT 43 OF TRACT NO. 3624, AS PER MAP RECORDED IN BOOK 125, PAGES 31, 32 AND 33 OF MISCELLANEOUS MAPS, IN THE OFFICE OF THE COUNTY RECORDER SAID COUNTY.

EXCEPTING THEREFROM ONE-HALF OF ALL THE MINERALS, GAS, OILS, PETROLEUM, NAPHTHA AND OTHER HYDROCARBON SUBSTANCES, IN, ON OR UNDER SAID LAND, AS RESERVED IN THE DEED FROM ERNEST A. BRYANT, JR. AND ALLEN L. CHICKERING, AS EXECUTORS OF THE LAST WILL AND TESTAMENT OF SUSANNA BIXBY BRYANT, DECEASED TO ALE TUINHOUT AND WIFE, RECORDED JULY 5, 1947 IN BOOK 1533, PAGE 249, OFFICIAL RECORDS.

BY A QUITCLAIM DEED RECORDED JULY 13, 1959 IN BOOK 4795, PAGE 522, OFFICIAL RECORDS, ALL INTEREST AND RIGHTS WERE RELINQUISHED ABOVE A DEPTH OF 500 FEET FROM THE SURFACE THEREOF.

ALSO EXCEPTING THEREFROM ALL UNDERGROUND WATERS LYING BENEATH SAID LAND, BUT WITHOUT THE RIGHT OF SURFACE ENTRY TO THE SURFACE THEREOF, AS GRANTED TO THE CITY OF GARDEN GROVE, A MUNICIPAL CORPORATION, BY DEED RECORDED DECEMBER 29, 1959 IN BOOK 5034 PAGE 572, OFFICIAL RECORDS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

EXISTING EASEMENTS

(3) EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO AS GRANTED IN A DOCUMENT:
GRANTED TO: SOUTHERN CALIFORNIA EDISON COMPANY, A CORPORATION, ITS SUCCESSORS AND ASSIGNS
PURPOSE: PUBLIC UTILITIES
RECORDING DATE: DEC 23, 1959
RECORDING NO: BOOK 5028, PAGE 430, OF OFFICIAL RECORDS
AFFECTS: A PORTION OF SAID LAND

(4) EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO AS GRANTED IN A DOCUMENT:
GRANTED TO: SOUTHERN CALIFORNIA EDISON COMPANY, A CORPORATION, ITS SUCCESSORS AND ASSIGNS
PURPOSE: PUBLIC UTILITIES
RECORDING DATE: DEC 7, 1959
RECORDING NO: BOOK 5028, PAGE 526-527, OF OFFICIAL RECORDS
AFFECTS: A PORTION OF SAID LAND

LEGEND

- EX PALM TREE
- EX TREE
- EX SEWER MANHOLE
- EX STREETLIGHT
- EX FIRE HYDRANT
- EX UTILITY BOX
- EX STORM DRAIN MANHOLE
- EX CATCH BASIN
- EX POWER POLE
- EX TRAFFIC LIGHT
- EX UNDERGROUND UTILITY VAULT
- EX IRRIGATION METER
- EX ELECTRICAL METER
- EX WATER VALVE COVER
- EX WATER METER
- EX MANHOLE
- EX STREET SIGN
- EX BOLLARD
- EX MONUMENT
- EX TRANSFORMER
- EX FIRE WATER STRUCTURE
- EX GAS STRUCTURE
- EX GAS VALVE
- EX PROPERTY BOUNDARY
- EX STREET CENTERLINE
- EX RIGHT-OF-WAY
- EX PROPERTY LINE
- EX MAJOR CONTOUR
- EX MINOR CONTOUR
- EX SEWER LINE
- EX DOMESTIC WATER LINE
- EX FIRE WATER LINE
- EX RECYCLED WATER LINE
- EX STORM DRAIN LINE
- EX OVERHEAD ELECTRIC
- EX UNDERGROUND ELECTRIC
- EX GAS LINE
- EX IRON FENCE
- EX CHAIN LINK FENCE
- EX WOOD FENCE
- EX BLOCK WALL
- EX PLANTER WALL
- EX RETAINING WALL
- EX CURB AND GUTTER
- EX CHAIN LINK FENCE
- EX STRIPING
- EX SLOPE
- EX CONCRETE
- EX STRUCTURE FOOTPRINT
- EX ASPHALT

ABBREVIATIONS

D	DELTA
EX	EXISTING
FG	FINISHED GRADE
FL	FLOW LINE
FS	FINISHED SURFACE
FF	FINISHED FLOOR
INV	INVERT
L	LENGTH
MIN	MINIMUM
NTS	NOT TO SCALE
R	PROPERTY LINE
PR	PROPOSED
R	RADIUS
TC	TOP OF CURB
TG	TOP OF GRATE
TW	TOP OF WALL
TYP	TYPICAL

PROPERTY ADDRESS:

5802 SANTA CATALINA DRIVE
GARDEN GROVE, CA 92845

DEVELOPER:

BRANDYWINE HOMES
16580 ASTON STREET
IRVINE, CA 92606
(949) 296-2400

DENSITY CALCULATIONS:

PROPOSED CONDOMINIUMS:	26 UNITS
NET AREA:	1.74 AC
PROPOSED DENSITY:	14.9 DU/AC

ASSESSOR PARCEL NUMBER:

APN: 224-212-01

STATEMENT OF OWNERSHIP:

WE, THE UNDERSIGNED, DO HEREBY STATE THAT WE ARE THE RECORD OWNERS OF THE PROPERTY COMPRISING THIS TENTATIVE TRACT MAP AND THAT WE HAVE CONSENTED TO THE FILING OF SAID MAP.

OWNER: _____

BY: _____ DATE: _____

SCALE:	1" = 20'
GROSS AREA:	+/- 1.74 AC
CONTOURS:	1 FOOT
TOTAL LOTS:	1 NUMBERED
	0 LETTERED
TOTAL UNITS:	26 CONDOMINIUMS

DIGALERT
DIAL TOLL FREE
1(800) 227-2600
At Least Two Working Days Before You Dig
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

SCALE VERIFICATION
BAR IS ONE INCH ON ORIGINAL DRAWING
IF NOT ONE INCH ON THIS SHEET ADJUST SCALES ACCORDINGLY

REVISIONS

BY	DATE	DESCRIPTIONS	NO.

BENCHMARK
FOUND 2 ½" BRONZE CITY OF GARDEN GROVE BENCHMARK DISK WITH PUNCH IN TRIANGLE, SET IN THE EASTERLY CORNER OF A 6 FT. BY 8 FT. CONCRETE TRANSFORMER PAD. MONUMENT IS LOCATED IN THE NORTHWEST CORNER OF THE INTERSECTION OF VALLEY VIEW ST. AND LAMPSON AVE. 99 FT. NORTH OF THE B.C.R. AND 46 FT. WEST OF THE CURB FACE.
ELEV: 33.508
DATUM: NAVD88
YEAR LEVELED: 2012

BASIS OF BEARINGS
THE BEARINGS SHOWN HEREON ARE BASED ON THE BEARING OF SANTA CATALINA AVENUE BEING N89°45'30"W PER TRACT MAP 3575.

REGISTERED PROFESSIONAL ENGINEER R. STEVEN AUSTIN No. 68795 CIVIL STATE OF CALIFORNIA

DRAWN BY:
DESIGNED BY:
CHECKED BY:
APPROVED BY:

30251 GOLDEN LANTERN
SUITE E, PMB 251
LAGUNA NIGUEL, CA 92677
(866) 338-5778 PHONE
(866) 338-5778 FAX
WWW.ADVANCEDCIVILGROUP.COM

PREPARED BY: _____ R.C.E. NO. 68795
DATE 06/02/2022

TTM NO. 19336
description
TENTATIVE TRACT MAP NO. 19336
prepared for
BRANDYWINE HOMES

SHEET NO: TTM
SHEET 1 OF 2

TENTATIVE TRACT MAP NO. 19336

FOR CONDOMINIUM PURPOSES

IN THE CITY OF GARDEN GROVE
COUNTY OF ORANGE, STATE OF CALIFORNIA

LEGEND

- EX PALM TREE
- EX TREE
- EX SEWER MANHOLE
- EX STREETLIGHT
- EX FIRE HYDRANT
- EX UTILITY BOX
- EX STORM DRAIN MANHOLE
- EX CATCH BASIN
- EX POWER POLE
- EX TRAFFIC LIGHT
- EX UNDERGROUND UTILITY VAULT
- EX IRRIGATION METER
- EX ELECTRICAL METER
- EX WATER VALVE COVER
- EX WATER METER
- EX MANHOLE
- EX STREET SIGN
- EX BOLLARD
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- EX TRANSFORMER
- EX FIRE WATER STRUCTURE
- EX GAS STRUCTURE
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- EX RECYCLED WATER LINE
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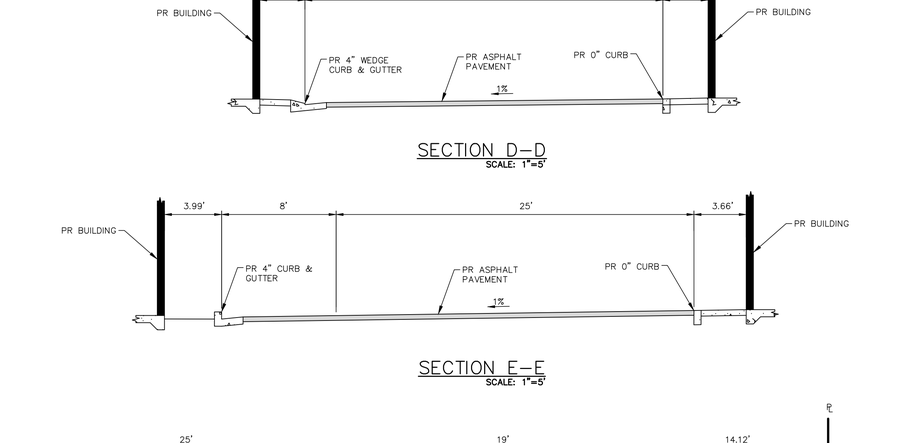
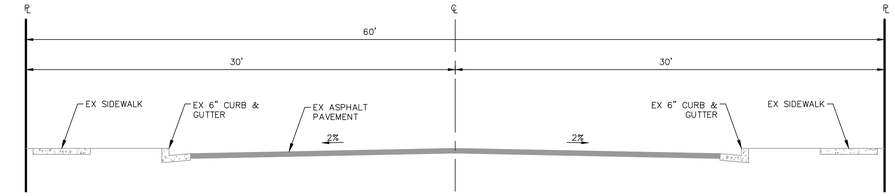
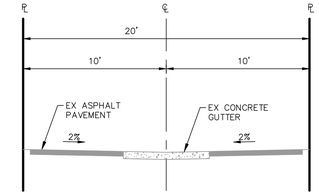
- EX PLANTER WALL
- EX RETAINING WALL
- EX CURB AND GUTTER
- EX CHAIN LINK FENCE
- EX STRIPING
- EX SLOPE
- EX CONCRETE
- EX STRUCTURE FOOTPRINT
- EX ASPHALT

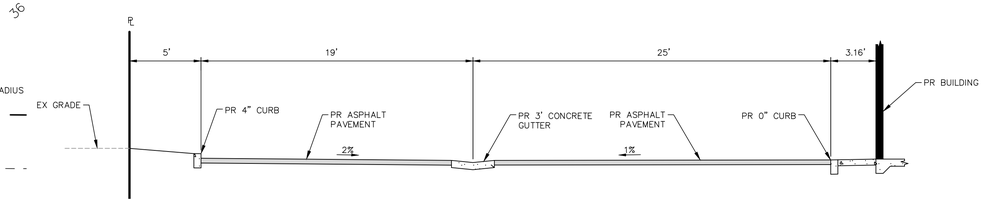




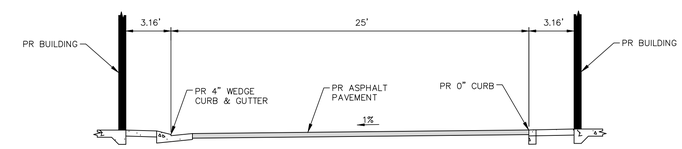
SECTION A–A
SCALE: 1"=5'



SECTION B–B
SCALE: 1"=5'

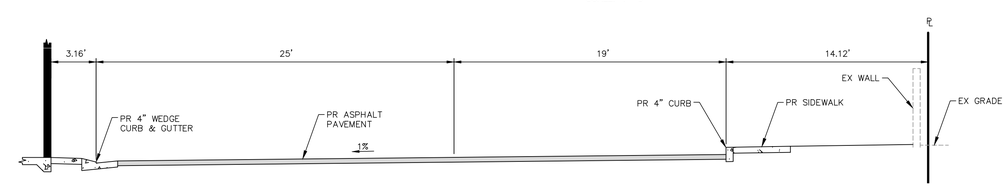


SECTION C–C
SCALE: 1"=5'



SECTION D–D
SCALE: 1"=5'

SECTION E–E
SCALE: 1"=5'



SECTION F–F
SCALE: 1"=5'

DIGALERT
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At Least Two Working Days Before You Dig
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

SCALE VERIFICATION
BAR IS ONE INCH ON ORIGINAL DRAWING
IF NOT ONE INCH ON THIS SHEET ADJUST SCALES ACCORDINGLY

REVISIONS

BY	DATE	DESCRIPTIONS	NO.

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FOUND 2 ½" BRONZE CITY OF GARDEN GROVE BENCHMARK DISK WITH PUNCH IN TRIANGLE, SET IN THE EASTERLY CORNER OF A 6 FT. BY 8 FT. CONCRETE TRANSFORMER PAD. MONUMENT IS LOCATED IN THE NORTHWEST CORNER OF THE INTERSECTION OF VALLEY VIEW ST. AND LAMPSON AVE. 99 FT. NORTH OF THE B.C.R. AND 46 FT. WEST OF THE CURB FACE.

ELEV: 33.508
DATUM: NAVD88
YEAR LEVELED: 2012

BASIS OF BEARINGS
THE BEARINGS SHOWN HEREON ARE BASED ON THE BEARING OF SANTA CATALINA AVENUE BEING N89°45'30"W PER TRACT MAP 3575.

REGISTERED PROFESSIONAL ENGINEER
R. STEVEN AUSTIN
No. 68795
CIVIL
STATE OF CALIFORNIA

DRAWN BY:
DESIGNED BY:
CHECKED BY:
APPROVED BY:

PREPARED BY:

30251 GOLDEN LANTERN
SUITE E, PMB 251
LAGUNA NIGUEL, CA 92677
(866) 338-5778 PHONE
(866) 338-5778 FAX
WWW.ADVANCEDCIVILGROUP.COM
R.C.E. NO. 68795

DATE 5/9/2024

TTM NO. 19336
description
TENTATIVE TRACT MAP NO. 19336
prepared for
BRANDYWINE HOMES

TTM

TOTAL AREA	1.74	AC
PERVIOUS AREA	0.40	AC
% PERVIOUS	23.2	%
% IMPERVIOUS	76.8	%

ADVANCED CIVIL GROUP

ADVANCED CIVIL GROUP INC.
30251 GOLDEN LANTERN,
SUITE E, PMB 251
LAGUNA NIGUEL, CA 92647
(866) 338-5778 PHONE
WWW.ADVANCEDCIVILGROUP.COM

PREPARED BY: R. Stan Austin

R.C.E. NO. 68795

DATE 5/9/2024

PERVIOUS AREA
PROPOSED CONDITION
TENTATIVE TRACT NO. 19336
GARDEN GROVE, CA

Section VII Educational Materials

Refer to the Orange County Stormwater Program (ocwatersheds.com) for a library of materials available. For the copy submitted to the Permittee, only attach the educational materials specifically applicable to the project. Other materials specific to the project may be included as well and must be attached.

Education Materials			
Residential Material (http://www.ocwatersheds.com)	**Check If Applicable**	**Business Material (http://www.ocwatersheds.com)**	**Check If Applicable**
The Ocean Begins at Your Front Door	☒	Tips for the Automotive Industry	☐
Tips for Car Wash Fund-raisers	☐	Tips for Using Concrete and Mortar	☐
Tips for the Home Mechanic	☒	Tips for the Food Service Industry	☐
Homeowners Guide for Sustainable Water Use	☒	Proper Maintenance Practices for Your Business	☐
Household Tips	☒	**Other Material**	**Check If Attached**
Proper Disposal of Household Hazardous Waste	☒		
Recycle at Your Local Used Oil Collection Center (North County)	☒		☐
Recycle at Your Local Used Oil Collection Center (Central County)	☐		☐
Recycle at Your Local Used Oil Collection Center (South County)	☐		☐
Tips for Maintaining a Septic Tank System	☐		☐
Responsible Pest Control	☒		☐
Sewer Spill	☒		☐
Tips for the Home Improvement Projects	☒		☐
Tips for Horse Care	☐		☐
Tips for Landscaping and Gardening	☒		☐
Tips for Pet Care	☒		☐
Tips for Pool Maintenance	☐		☐
Tips for Residential Pool, Landscape and Hardscape Drains	☐		☐
Tips for Projects Using Paint	☒		☐

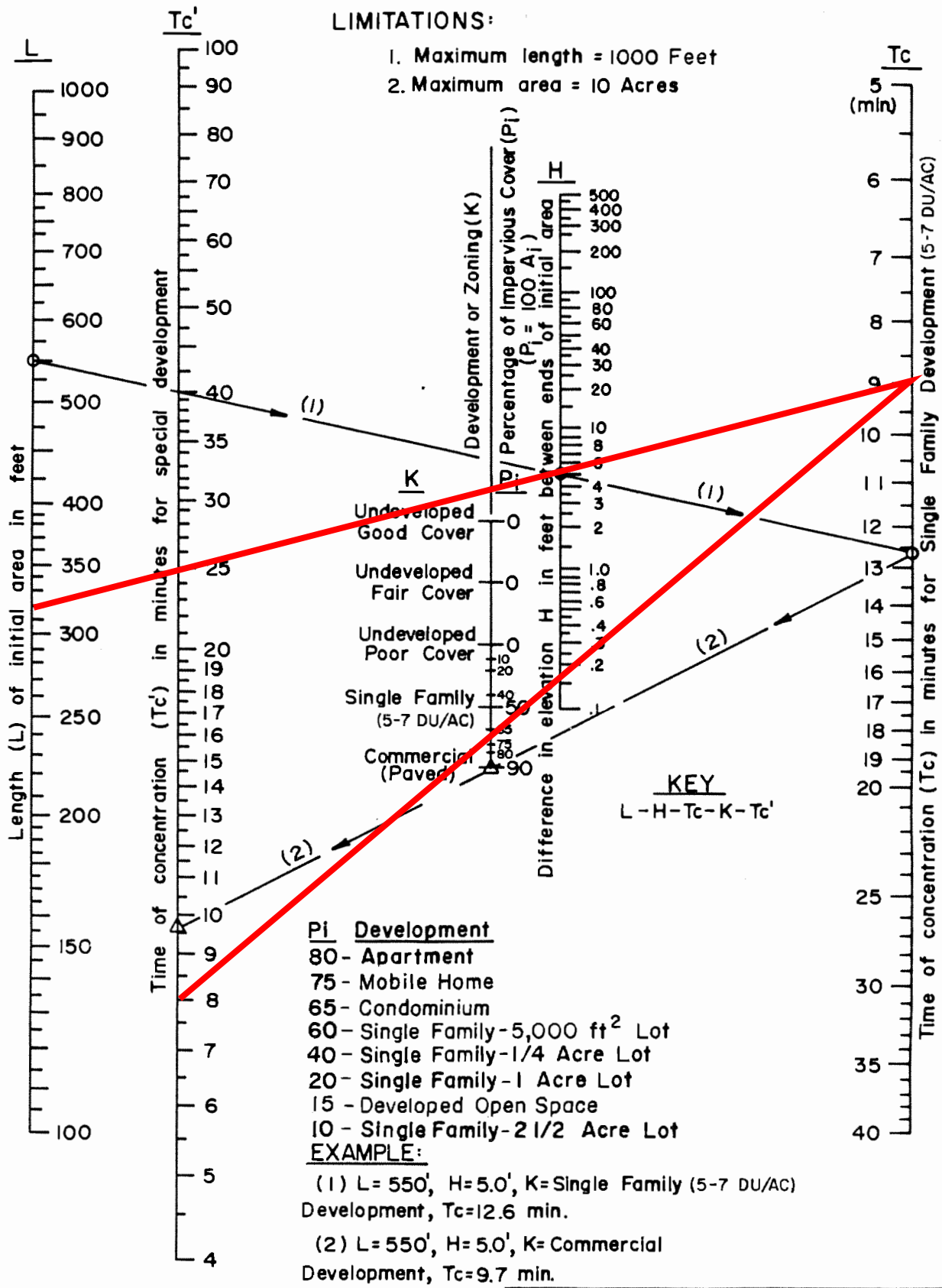
Attachment A

LID Feasibility Screening and Calculation Worksheets

GARDEN GROVE

Worksheet D: Capture Efficiency Method for Flow-Based BMPs

Step 1: Determine the design capture storm depth used for calculating volume				
1	Enter the time of concentration, T_c (min) (See Appendix IV.2)	T_c=	8	
2	Using Figure III.4, determine the design intensity at which the estimated time of concentration (T_c) achieves 80% capture efficiency, I_1	I_1=	0.23	in/hr
3	Enter the effect depth of provided HSCs upstream, d_{HSC} (inches) (Worksheet A)	d_{HSC}=	0	inches
4	Enter capture efficiency corresponding to d_{HSC}, Y_2 (Worksheet A)	Y_2=	0	%
5	Using Figure III.4, determine the design intensity at which the time of concentration (T_c) achieves the upstream capture efficiency(Y_2), I_2	I_2=	0	
6	Determine the design intensity that must be provided by BMP, $I_{design}= I_1-I_2$	I_{design}=	0.23	
Step 2: Calculate the design flowrate				
1	Enter Project area tributary to BMP (s), *A* (acres)	A=	1.74	acres
2	Enter Project Imperviousness, *imp* (unitless)	imp=	0.768	
3	Calculate runoff coefficient, $C= (0.75 \times imp) + 0.15$	C=	0.726	
4	Calculate design flowrate, $Q_{design}= (C \times i_{design} \times A)$	Q_{design}=	0.29	cfs
Supporting Calculations				
Describe system: Use proprietary biofiltration system to treat runoff at design flow rate.				



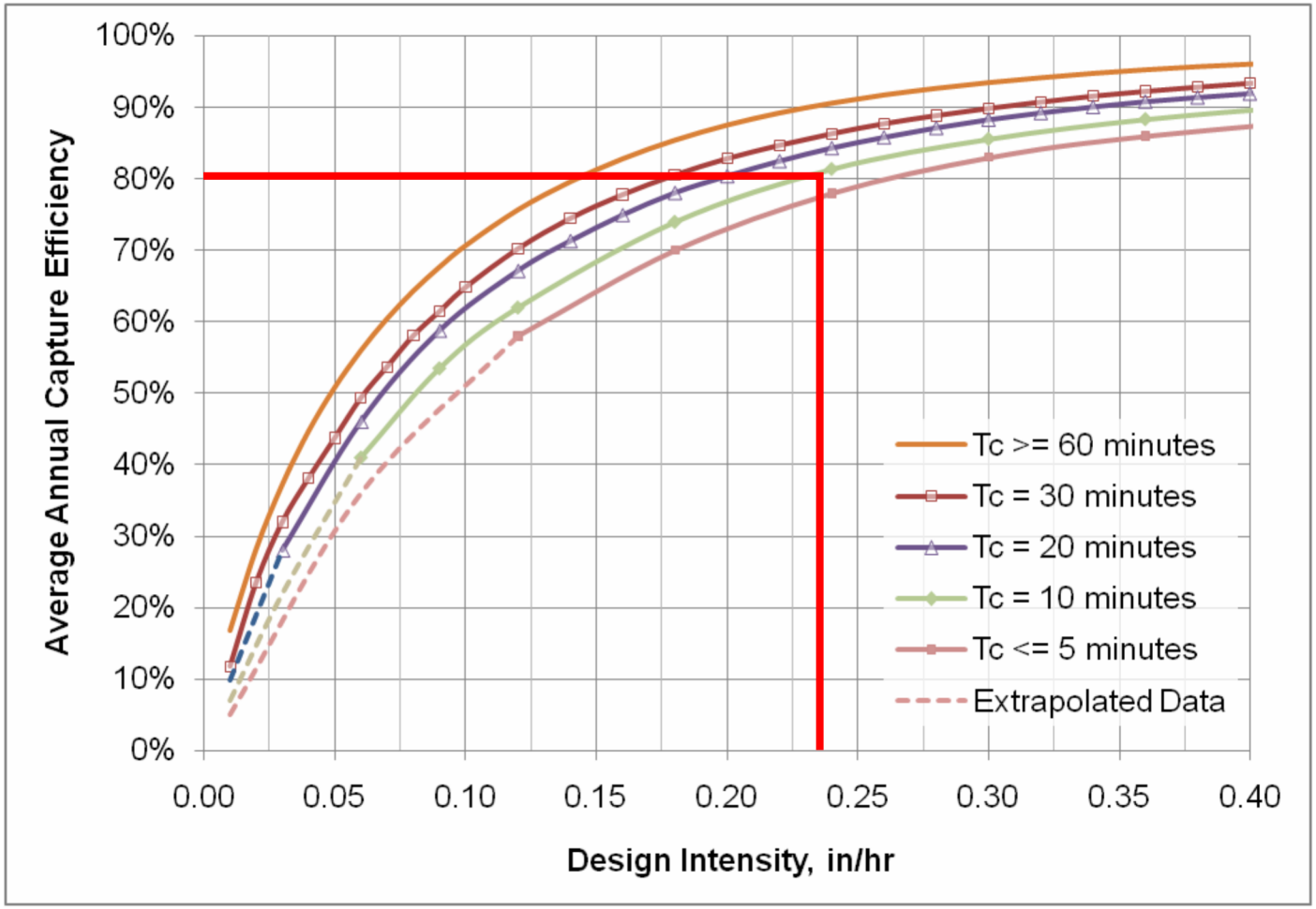
ORANGE COUNTY

HYDROLOGY MANUAL

TIME OF CONCENTRATION NOMOGRAPH FOR INITIAL SUBAREA

Figure D-1

Figure III.4. Capture Efficiency Nomograph for Off-line Flow-based Systems in Orange County



SUBJECT TO FURTHER REVISION

LEGEND

- Orange County Precipitation Stations
- 24 Hour, 85th Percentile Rainfall (Inches)
- 24 Hour, 85th Percentile Rainfall (Inches) - Extrapolated
- City Boundaries

Rainfall Zones

Design Capture Storm Depth (inches)

- 0.65"
- 0.7
- 0.75
- 0.80
- 0.85
- 0.90
- 0.95
- 1.00
- 1.10"

Note: Events defined as 24-hour periods (calendar days) with greater than 0.1 inches of rainfall.
For areas outside of available data coverage, professional judgment shall be applied.

PROJECT LOCATION

0 3 6 12 Kilometers

0 1.8 3.6 7.2 Miles

P:\9526E\6-GIS\Mxds\Reports\InfiltrationFeasability_20110215\9526E_FigureXVI-1_RainfallZones_20110215.mxd

TITLE RAINFALL ZONES

JOB ORANGE COUNTY TECHNICAL GUIDANCE DOCUMENT

ORANGE CO. CA

SCALE	1" = 1.8 miles
DESIGNED	TH
DRAWING	TH
CHECKED	BMP
DATE	04/22/10
JOB NO.	9526-E

PACE Advanced Water Engineering

FIGURE XVI-1

Rainfall Harvest and Reuse Calculation

Design Capture Volume (DCV) Calculation

85th Percentiel, 24-hr Storm Depth	0.79	inches
Drainage Area	1.47	acres
Imperviousness	77%	
HSCs	0	inches
Estimated DCV	**3,190**	**cu-ft**

Harvest and Reuse Determination

Step 1 - Calculate the Design Capture Volume in Gallons		
DCV (cu-ft)	3,190	cu-ft
DCV (gallons)	23,861	gallons

Step 2 - Estimate Planted Area		
Planter Factor (PF) for low water use	0.05	
Planted Area	17,560	sf
Planted Area w/ PF	878	sf

Step 3 - Est.e Net Wet Season Est. Total Water Use (ETWU 7-months)		
Eto (Oct-Apr) from CIMIS Monthly Ave Rpt	26.29	in
Mean Avg Rainfall	20.1	in
Net ETWU (7 mnths)	3,388	gallons

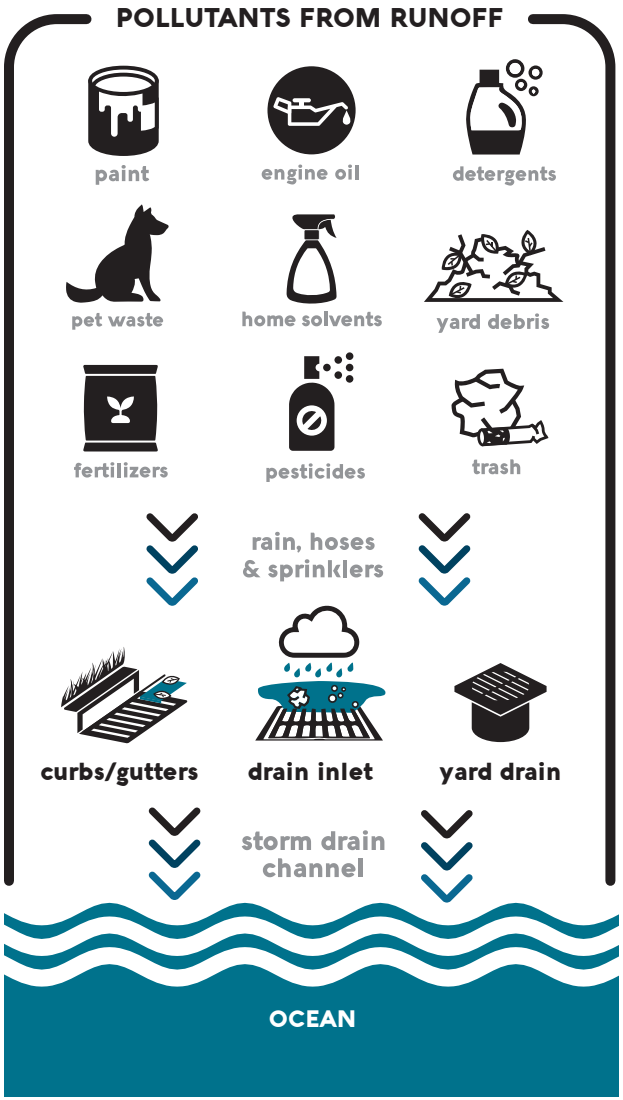
DCV is greater than the Net ETWU, so Harvest and Resuse is not feasible.

Attachment B

Educational Materials

What Common Pollutants are Found in Runoff?

Common runoff pollutants include trash, pet waste, yard debris, fertilizer, pesticides, engine oil, paint, home solvents, and detergents. Continue reading to learn how these pollutants affect our water resources and what you can do to help.



Who is H_2OC?

H_2OC is YOU! H_2OC is also a cooperative stormwater program which includes all 34 cities in Orange County, the County of Orange, and Orange County Flood Control District. Clean and healthy beaches, creeks, rivers, bays, wetlands, and ocean are important to Orange County. H_2OC provides resources to residents and businesses to prevent water pollution and encourage personal action by working with communities to prevent polluted runoff from entering our waterways. Join us at H2OC.org to learn more about how you can protect local waterways and be the solution to runoff pollution!

Visit

H2OC.org to learn more about runoff, water pollution, and what you can do to protect our water resources!

Contact

24-Hour Pollution Reporting Hotline:
(877) 89-SPILL (77455)
24-Hour Reporting Website:
myOCeServices.ocgov.com

*For more information on household hazardous waste centers go to www.oclandfills.com/hazardous or call (714) 834-4000

**UCCE Master Gardeners: ucceocmghotline@ucanr.edu
mgorange.ucanr.edu/Gardening_Hotline/

YOU ARE THE SOLUTION TO RUNOFF POLLUTION

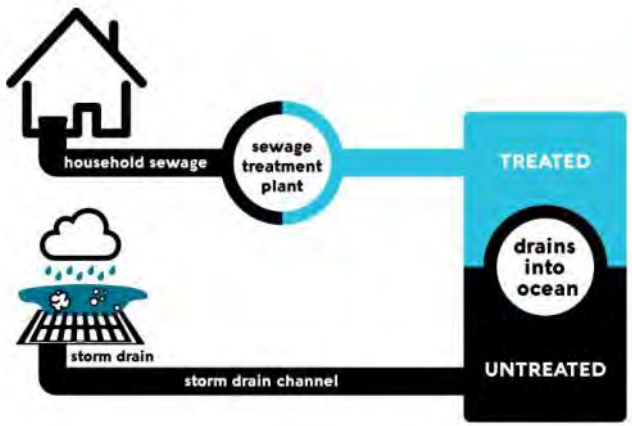
H_2OC STORMWATER PROGRAM

What is Runoff?

Runoff is water from rain and outdoor water use that drains from roofs, driveways, sidewalks, and other surfaces, which does not soak into the ground. As runoff flows over surfaces it will pick up and carry pollutants it encounters, many of which come from waste we produce or mishandle. In Orange County, runoff is captured by storm drains where it flows untreated to the ocean.

Water that flows into storm drains is NOT TREATED

Runoff from homes and businesses may contain pollutants that have harmful effects on downstream creeks, rivers, bays, and ocean. Unlike household sewage, this water is not treated and can negatively impact recreational use, wildlife habitat, and even human health.



TRASH

If trash such as cigarette butts, straws, cups, and other debris enter our waterways, it can create water flow problems and contaminate aquatic habitats. Always properly dispose of waste and recyclables and secure your trash can lid to prevent trash from being released into the environment.

ENGINE OIL

If engine oil enters our waterways, aquatic animals and plants can be negatively affected. It is important to repair leaking vehicles as soon as possible. Clean affected areas utilizing absorbents available at auto and home supply stores. Be sure to follow manufacturer's directions for proper use and disposal of absorbent. Used engine oil can be disposed at a Household Hazardous Waste Center (HHWC*) or where oil was purchased.

PET WASTE

Pet waste is a threat to human and environmental health because it contains harmful bacteria and pathogens. Being a responsible pet owner means picking up after your pet on walks and in your yard, especially before it rains.

YARD DEBRIS

If yard debris reaches local waterways, it can obstruct stormwater flow, clog storm drains, and cause other problems like flooding and erosion. Be sure to collect all debris when doing yard work and properly dispose of it in a green waste bin, or better yet, compost it.

FERTILIZER

If improperly applied, fertilizers can enter our waterways and cause ecological problems. For proper application, follow the manufacturer's instructions and stop applying fertilizers 48 hours before a forecasted rain event.

PESTICIDES

If pesticides, which include herbicides, insecticides, fungicides, and rodenticides, enter our waterways, they can be dangerous to human health and aquatic life. Be sure to limit pesticide use by using nonchemical methods or least-toxic pesticides whenever possible and contact the University of California Cooperative Extension (UCCE) Master Gardeners** with any questions. To properly apply pesticides, follow the manufacturer's instructions and stop applying 48 hours before a forecasted rain event.

PAINT

Paints, and related materials, contain a wide range of chemicals. These products should never be put in storm drains, sewers or septic systems. Instead, dispose of unused paint at your local HHWC*.

DETERGENTS

If phosphorus from detergents enters our waterways, it can cause ecological problems, including fish kills. Additionally, detergents can remove the protective mucous layer from fish, leaving them susceptible to disease. When using detergents for outdoor cleaning projects, do not allow wash water to reach the storm drain system.

HOME SOLVENTS

Many common household cleaning products contain harmful chemicals which are toxic and volatile. If not used and disposed of properly, these chemicals enter our waterways and pose a threat to both human and aquatic life. Always follow the manufacturer's instructions and dispose of the material at your local HHWC*.

Clean beaches and healthy creeks, rivers, bays and ocean are important to Orange County. However, if we are not careful, our daily activities can lead directly to water pollution problems. Water that drains through your watershed can pick up pollutants which are then transported to our waterways and beautiful ocean.

You can prevent water pollution by taking personal action and by working with members of your watershed community to prevent urban runoff from entering your waterway.

For more information,
please call the
Orange County Stormwater Program
at **1.877.89.SPILL**
or visit
www.ocwatersheds.com

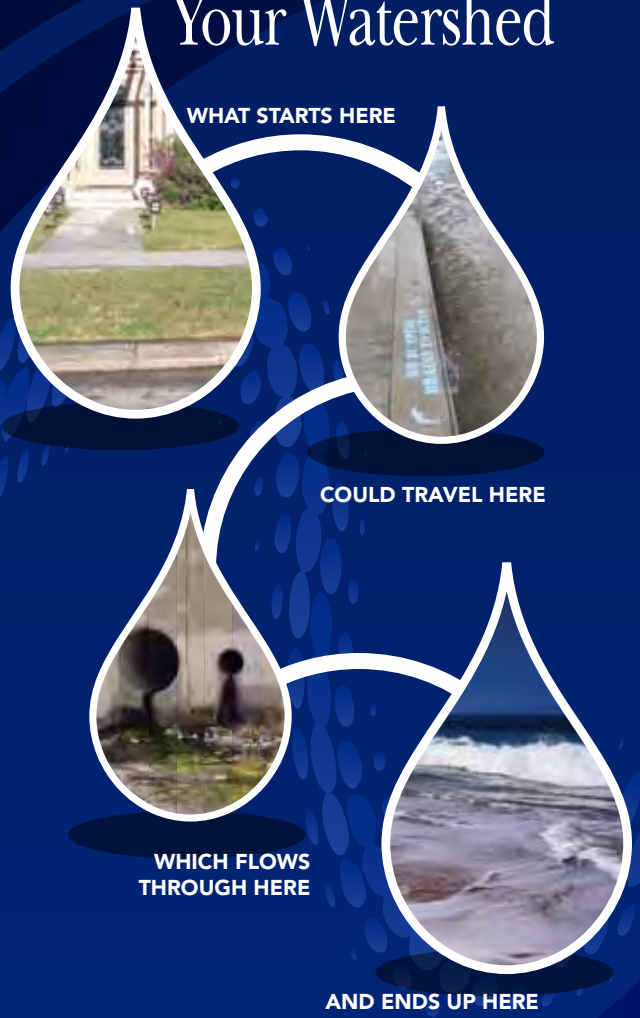
To report a spill,
call the
Orange County 24-Hour Water Pollution Problem Reporting Hotline
at **1.877.89.SPILL**.

For emergencies, dial 911.

The tips contained in this brochure provide useful information to help protect your watershed. If you have other suggestions, please contact your city's stormwater representatives or call the Orange County Stormwater Program.

Printed on Recycled Paper

Help Prevent Ocean Pollution:
Tips For Protecting Your Watershed



The Ocean Begins at Your Front Door

PROJECT Pollution PREVENTION

Tips for Protecting Your Watershed

My Watershed. Our Ocean.

Water + shed, *noun: A region of land within which water flows down into a specified water body, such as a river, lake, sea, or ocean; a drainage basin or catchment basin.*

Orange County is comprised of 11 major watersheds into which most of our water flows, connecting all of Orange County to the Pacific Ocean.

As water from rain (stormwater) or sprinklers and hoses (urban runoff) runs down your driveway and into your neighborhood streets, sidewalks and gutters, it flows into storm drains that lead to waterways within your watershed. The waterways from other cities merge as they make their way through our watersheds until all the runoff water in Orange County meets at the Pacific Ocean. The water that reaches our ocean is not pure. As it flows through the watershed, it picks up pollutants such as litter, cigarette butts, fertilizer, pesticides, pet waste, motor oil and lawn clippings. Unlike water that enters the sewer (from sinks and toilets), water that enters the storm drain is not treated before it flows, ultimately, to the ocean.

Water quality can be improved by "Adopting Your Watershed." Through this effort, we are challenging citizens and organizations to join the Orange County Stormwater Program and others who are working to protect and restore our creeks, rivers, bays and ocean.

There are many opportunities to get involved:

- Appreciate your watershed - explore the creeks, trails and ocean and make observations about its conditions. If you see anything abnormal (such as dead fish, oil spills, leaking barrels, and other pollution) contact the Orange County 24-hour water pollution problem reporting hotline at 1.877.89.SPILL to report the problem.
- Research your watershed. Learn about what watershed you live in by visiting www.ocwatersheds.com.
- Find a watershed organization in your community and volunteer to help. If there are no active groups, consider starting your own.
- Visit EPA's Adopt Your Watershed's Catalog of Watershed Groups at www.epa.gov/adopt to locate groups in your community.
- Organize or join in a creek, river, bay or ocean cleanup event such as Coastal & Inner Coastal Cleanup Day that takes place the 3rd Saturday of every September. For more information visit www.coast4u.org.

Follow these simple tips to protect the water quality of your watershed:

- **Sweep up debris and dispose of it in the trash. Do not hose down driveways or sidewalks into the street or gutter.**
- **Use dry cleanup methods such as cat litter to absorb spills and sweep up residue.**
- **Set your irrigation systems to reflect seasonal water needs or use weather-based controllers. Inspect for runoff regularly.**
- **Cover trashcans securely.**
- **Take hazardous waste to a household hazardous waste collection center. (For example, paint, batteries and petroleum products)**
- **Pick up after your pet.**
- **Follow application and disposal directions for pesticides and fertilizers.**
- **If you wash your car at home, wash it on your lawn or divert the runoff onto a landscaped area. Consider taking your car to a commercial car wash, where the water is reclaimed or recycled.**
- **Keep your car well maintained.**
- **Never pour oil or antifreeze in the street, gutter or storm drain.**

Do your part to prevent water pollution in our creeks, rivers, bays and ocean.

Clean beaches and healthy creeks, rivers, bays and ocean are important to Orange County. However, not properly disposing of household hazardous waste can lead to water pollution. Batteries, electronics, paint, oil, gardening chemicals, cleaners and other hazardous materials cannot be thrown in the trash. They also must never be poured or thrown into yards, sidewalks, driveways, gutters or streets. Rain or other water could wash the materials into the storm drain and eventually into our waterways and the ocean. In addition, hazardous waste must not be poured in the sanitary sewers (sinks and toilets).

NEVER DISPOSE OF HOUSEHOLD HAZARDOUS WASTE IN THE TRASH, STREET, GUTTER, STORM DRAIN OR SEWER.

For more information,
please call the
Orange County Stormwater Program
at **1-877-89-SPILL** (1-877-897-7455)
or visit
www.ocwatersheds.com

To Report Illegal Dumping of Household Hazardous Waste call 1-800-69-TOXIC

To report a spill,
call the
Orange County 24-Hour Water Pollution Problem Reporting Hotline
1-877-89-SPILL (1-877-897-7455).

For emergencies, dial 911.

RECYCLE USED OIL

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Help Prevent Ocean Pollution:

Proper Disposal of Household Hazardous Waste

The Ocean Begins at Your Front Door

PROJECT Pollution PREVENTION

ORANGE COUNTY

Pollution Prevention

Leftover household products that contain corrosive, toxic, ignitable, or reactive ingredients are considered to be "household hazardous waste" or "HHW." HHW can be found throughout your home, including the bathroom, kitchen, laundry room and garage.

WHEN POSSIBLE, USE NON-HAZARDOUS OR LESS-HAZARDOUS PRODUCTS.

Disposal of HHW down the drain, on the ground, into storm drains, or in the trash is illegal and unsafe.

Proper disposal of HHW is actually easy. Simply drop them off at a Household Hazardous Waste Collection Center (HHWCC) for free disposal and recycling. Many materials including anti-freeze, latex-based paint, motor oil and batteries can be recycled. Some centers have a "Stop & Swap" program that lets you take partially used home, garden, and automobile products free of charge. There are four HHWCCs in Orange County:

Anaheim:.....1071 N. Blue Gum St
Huntington Beach:.....17121 Nichols St
Irvine:..... 6411 Oak Canyon
San Juan Capistrano:... 32250 La Pata Ave

Centers are open Tuesday-Saturday, 9 a.m.-3 p.m. Centers are closed on rainy days and major holidays. For more information, call **(714) 834-6752** or visit **www.oclandfills.com.**

Common household hazardous wastes

- Batteries
- Paint and paint products
- Adhesives
- Drain openers
- Household cleaning products
- Wood and metal cleaners and polishes
- Pesticides
- Fungicides/wood preservatives
- Automotive products (antifreeze, motor oil, fluids)
- Grease and rust solvents
- Fluorescent lamps
- Mercury (thermometers & thermostats)
- All forms of electronic waste including computers and microwaves
- Pool & spa chemicals
- Cleaners
- Medications
- Propane (camping & BBQ)
- Mercury-containing lamps
- Television & monitors (CRTs, flatscreens)

Tips for household hazardous waste

- Never dispose of HHW in the trash, street, gutter, storm drain or sewer.
- Keep these materials in closed, labeled containers and store materials indoors or under a cover.
- When possible, use non-hazardous products.
- Reuse products whenever possible or share with family and friends.
- Purchase only as much of a product as you'll need. Empty containers may be disposed of in the trash.
- HHW can be harmful to humans, pets and the environment. Report emergencies to 911.

The Pollution Solution

Several residential activities can result in water pollution. Among these activities are car washing and hosing off driveways and sidewalks. Both activities can waste water and result in excess runoff. Water conservation methods described in this pamphlet can prevent considerable amounts of runoff and conserve water. By taking your car to a commercial car wash and by sweeping driveways and sidewalks, you can further prevent the transport of pollutants to Orange County waterways. Here are some of the common pollutants for which you can be part of the solution:

1 Pesticides and Fertilizer

- **Pollution:** The same pesticides that are designed to be toxic to pests can have an equally lethal impact on our marine life. The same fertilizer that promotes plant growth in lawns and gardens can also create nuisance algae blooms, which remove oxygen from the water and clog waterways when it decomposes.
- **Solution:** Never use pesticides or fertilizer within 48 hours of an anticipated rainstorm. Use only as much as is directed on the label and keep it off driveways and sidewalks.

2 Dirt and Sediment

- **Pollution:** Dirt or sediment can impede the flow of the stormwater and negatively impact stream habitat as it travels through waterways and deposits downstream. Pollutants can attach to sediment, which can then be transported through our waterways.
- **Solution:** Protect dirt stockpiles by covering them with tarps or secure plastic sheets to prevent wind or rain from allowing dirt or sediment to enter the storm drain system.

3 Metals

- **Pollution:** Metals and other toxins present in car wash water can harm important plankton, which forms the base of the aquatic food chain.
- **Solution:** Take your car to a commercial car wash where the wash water is captured and treated at a local wastewater treatment plant.

DID YOU KNOW?

Did you know that most of the pollution found in our waterways is not from a single source, but from a "non-point" source meaning the accumulation of pollution from residents and businesses throughout the community.

4 Pet Waste

- **Pollution:** Pet waste carries bacteria through our watersheds and eventually will be washed out to the ocean. This can pose a health risk to swimmers and surfers.
- **Solution:** Pick up after your pets!

5 Trash and Debris

- **Pollution:** Trash and debris can enter waterways by wind, littering and careless maintenance of trash receptacles. Street sweeping collects some of this trash; however, much of what isn't captured ends up in our storm drain system where it flows untreated out to the ocean.
- **Solution:** Don't litter and make sure trash containers are properly covered. It is far more expensive to clean up the litter and trash that ends up in our waterways than it is to prevent it in the first place. Come out to one of Orange County's many locations for Coastal and Inner-Coastal Cleanup Day, which is held in September.

6 Motor Oil / Vehicle Fluids

- **Pollution:** Oil and petroleum products from our vehicles are toxic to people, wildlife and plants.
- **Solution:** Fix any leaks from your vehicle and keep the maintenance up on your car. Use absorbent material such as cat litter on oil spills, then sweep it up and dispose of it in the trash. Recycle used motor oil at a local Household Hazardous Waste Collection Center.

A TEAM EFFORT

The Orange County Stormwater Program has teamed with the Municipal Water District of Orange County (MWDOC) and the University of California Cooperative Extension Program (UCCE) to develop this pamphlet.

Low Impact Development (LID) and sustainable water use prevents water pollution and conserves water for drinking and reuse. Reducing your water use and the amount of water flowing from your home protects the environment and saves you money.

Thank you for making water protection a priority!

For more information, please visit

Orange County Stormwater Program
www.ocwatersheds.com/publiced/

Municipal Water District of Orange County
www.mwdoc.com

University of California Master Gardeners of Orange County
www.uccemg.com

UC Cooperative Extension OC Water Quality and Water Resources
www.ucanr.org/sites/urbanwatermgmt/

To report a spill, call the Orange County 24-Hour Water Pollution Prevention Reporting Hotline at 1-877-89-SPILL \ (1-877-897-7455)

Special Thanks to
The City of Los Angeles Stormwater Program for the use of its artwork

The Metropolitan Water District of Southern California for the use of the California-Friendly Plant and Native Habitat photos

Homeowners Guide for Sustainable Water Use

Low Impact Development, Water Conservation & Pollution Prevention

The Ocean Begins at Your Front Door

RUNOFF, RAINWATER AND REUSE

Where Does Water Runoff Go?

Stormwater, or water from rainfall events, and runoff from outdoor water use such as sprinklers and hoses flows from homes directly into catch basins and the storm drain system. After entering the storm drain, the water flows untreated into streams, rivers, bays and ultimately the Pacific Ocean. Runoff can come from lawns, gardens, driveways, sidewalks and roofs. As it flows over hard, impervious surfaces, it picks up pollutants. Some pollutants carried by the water runoff include trash, pet waste, pesticides, fertilizer, motor oil and more.

Water Conservation

Pollution not only impairs the water quality for habitat and recreation, it can also reduce the water available for reuse. Runoff allowed to soak into the ground is cleaned as it percolates through the soil, replenishing depleted groundwater supplies. Groundwater provides at least 50% of the total water for drinking and other indoor household activities in north and central Orange County. When land is covered with roads, parking lots, homes, etc., there is less land to take in the water and more hard surfaces over which the water can flow.

In Orange County, 60-70% of water used by residents and businesses goes to irrigation and other outdoor uses. Reusing rainwater to irrigate our lawn not only reduces the impact of water pollution from runoff, but it also is a great way to conserve our precious water resources and replenish our groundwater basin.

What is Low Impact Development (LID)?

Low Impact Development (LID) is a method of development that seeks to maintain the natural hydrologic character of an area. LID provides a more sustainable and pollution-preventative approach to water management.

New water quality regulations require implementation of LID in larger new developments and encourage implementation of LID and other sustainable practices in existing residential areas. Implementing modifications to your lawn or garden can reduce pollution in our environment, conserve water and reduce your water bill.

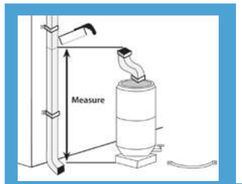
Permeable pavement allows water runoff to infiltrate through the soil and prevents most pollutants from reaching the storm drain system.

OPTIONS FOR RAINWATER HARVESTING AND REUSE

Rainwater harvesting is a great way to save money, prevent pollution and reduce potable water use. To harvest your rainwater, simply redirect the runoff from roofs and downspouts to rain barrels. Rain gardens are another option; these reduce runoff as well as encourage infiltration.

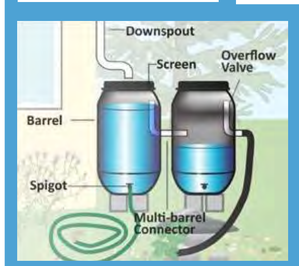
Downspout Disconnection/Redirection

Disconnecting downspouts from pipes running to the gutter prevents runoff from transporting pollutants to the storm drain. Once disconnected, downspouts can be redirected to rain gardens or other vegetated areas, or be connected to a rain barrel.

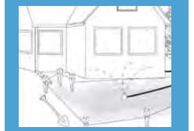


Rain Barrels

Rain barrels capture rainwater flow from roofs for reuse in landscape irrigation. Capacity of rain barrels needed for your home will depend on the amount of roof area and rainfall received. When purchasing your rain barrel, make sure it includes a screen, a spigot to siphon water for use, an overflow tube to allow for excess water to run out and a connector if you wish to connect multiple barrels to add capacity of water storage.



Mosquito growth prevention is very important when installing a rain barrel. The best way to prevent mosquito breeding is to eliminate entry points by ensuring all openings are sealed tightly. If these methods are unsuccessful, products are available to kill mosquito larvae, but that are harmless to animals and humans. Regular application of these products is essential. Please visit the Orange County Vector Control website for more information at www.ocvcd.org/mosquitoes3.php.



Rain Gardens

Rain gardens allow runoff to be directed from your roof downspout into a landscaped area. Vegetation and rocks in the garden will slow the flow of water to allow for infiltration into the soil. Plants and soil particles will absorb pollutants from the roof runoff. By utilizing a native plant palate, rain gardens can be maintained all year with minimal additional irrigation. These plants are adapted to the semi-arid climate of Southern California, require less water and can reduce your water bill.

Before modifying your yard to install a rain garden, please consult your local building and/or planning departments to ensure your garden plan follows pertinent building codes and ordinances. Besides codes and ordinances, some home owner associations also have guidelines for yard modifications. If your property is in hill areas or includes engineered slopes, please seek professional advice before proceeding with changes.

For information on how to disconnect a downspout or to install and maintain a rain barrel or rain garden at your home, please see the Los Angeles Rainwater Harvesting Program, A Homeowner's "How-To" Guide, November 2009 at www.larainwaterharvesting.org/

OTHER WATER CONSERVATION AND POLLUTION PREVENTION TECHNIQUES

Native Vegetation and Maintenance

"California Friendly" plants or native vegetation can significantly reduce water use. These plants often require far less fertilizers and pesticides, which are two significant pollutants found in Orange County waterways. Replacing water "thirsty" plants and grass types with water efficient natives is a great way to save water and reduce the need for potentially harmful pesticides and fertilizer.

Please see the California Friendly Garden Guide produced by the Metropolitan Water District of Southern California and associated Southern California Water Agencies for a catalog of California friendly plants and other garden resources at www.bewaterwise.com/Gardensoft.

Weed Free Yards

Weeds are water thieves. They often reproduce quickly and rob your yard of both water and nutrients. Weed your yard by hand if possible. If you use herbicides to control the weeds, use only the amount recommended on the label and never use it if rain is forecast within the next 48 hours.

Soil Amendments

Soil amendments such as green waste (e.g. grass clippings, compost, etc.) can be a significant source of nutrients and can help keep the soil near the roots of plants moist. However, they can cause algal booms if they get into our waterways, which reduces the amount of oxygen in the water and impacts most aquatic organisms. It is important to apply soil amendments more than 48 hours prior to predicted rainfall.

IRRIGATE EFFICIENTLY

Water runoff from sprinklers left on too long will carry pollutants into our waterways.

Smart Irrigation Controllers

Smart Irrigation Controllers have internal clocks as well as sensors that will turn off the sprinklers in response to environmental changes. If it is raining, too windy or too cold, the smart irrigation control sprinklers will automatically shut off.

Check with your local water agency for available rebates on irrigation controllers and smart timers.

- Aim your sprinklers at your lawn, not the sidewalk – By simply adjusting the direction of your sprinklers you can save water, prevent water pollution from runoff, keep your lawn healthy and save money.
- Set a timer for your sprinklers – lawns absorb the water they need to stay healthy within a few minutes of turning on the sprinklers. Time your sprinklers; when water begins running off your lawn, you can turn them off. Your timer can be set to water your lawn for this duration every time.
- Water at Sunrise – Watering early in the morning will reduce water loss due to evaporation. Additionally, winds tend to die down in the early morning so the water will get to the lawn as intended.
- Water by hand – Instead of using sprinklers, consider watering your yard by hand. Hand-watering ensures that all plants get the proper amount of water and you will prevent any water runoff, which wastes water and carries pollutants into our waterways.
- Fix leaks - Nationwide, households waste one trillion gallons of water a year to leaks – that is enough water to serve the entire state of Texas for a year. If your garden hose is leaking, replace the nylon or rubber hose washer and ensure a tight connection. Fix broken sprinklers immediately.

Clean beaches and healthy creeks, rivers, bays and ocean are important to Orange County. However, not properly disposing of used oil is illegal and can lead to fines. If you pour or drain oil onto driveways, sidewalks or streets, it can be washed into the storm drain.

Help prevent water pollution by taking your used oil and oil filters to a used oil collection center. Most major automotive maintenance centers will accept up to five gallons of used motor oil at no cost. For a list of locations, please visit www.cleanup.org.

For more information, please call the **Orange County Stormwater Program** at **1-877-89-SPILL (1-877-897-7455)** or visit **www.ocwatersheds.com.**

For information about the proper disposal of household hazardous waste, call the **Household Waste Hotline** at **1-877-89-SPILL (1-877-897-7455)** or visit **www.oclandfills.com.**

For additional information about the nearest oil recycling center, call the **Used Oil Program** at **1-800-CLEANUP** or visit **www.cleanup.org.**

RECYCLE USED OIL

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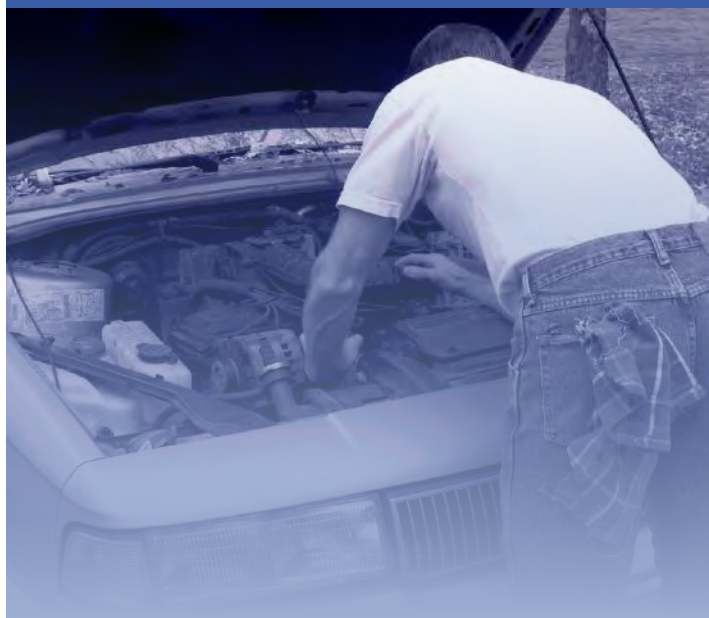
Help Prevent Ocean Pollution:

Tips for the Home Mechanic



PROJECT Pollution PREVENTION

The Ocean Begins at Your Front Door

Tips for the Home Mechanic

WORK SITE

- Locate the storm drains on or near your property. Do not allow used oil or any materials to flow into these drains.

- Examine your home for sources of pollution.

- Perform automotive projects under cover and in a controlled area to prevent stormwater runoff.

- Sweep or vacuum your automotive workspace regularly

- Use a damp mop to clean work areas. Never hose down surfaces into the street, gutter or storm drain.

- Pour mop water into a sink or toilet. Never dispose of water in a parking lot, street, gutter or storm drain.

PREVENT LEAKS AND SPILLS

- Keep absorbent materials such as rags and/or cat litter in the work area
- Empty drip pans into a labeled, seal container before they are full
- Wipe up any spills or repair leaks as they happen. Don't let them sit.
- Place large pans under any wrecked cars until all fluids are drained.
- Promptly dispose of collected fluids into a hazardous waste drum or deliver them to an oil recycling center. Used oil recycling locations can be found at http://www.ochealthinfo.com/regulatory/usedoil.htm

CLEANING SPILLS

- Clean up spills immediately by using absorbent material such as rags, cat litter or sand. If the material spilled is hazardous, dispose of the rag, litter or sand in the same manner as hazardous waste. If the material spill is non-hazardous, dispose of it in the trash.

- Immediately report spills that have entered the street, gutter or storm drain to the County's 24-Hour Water Pollution Problem Reporting Hotline at 1-877-89-SPILL (1-877-897-7455) or visit www.ocwatersheds.com to fill out an incident report.

- Report emergencies to 911.

VEHICLE FLUID MANAGEMENT

- Vehicle fluids are hazardous waste and must be stored and disposed of in accordance with all local, state and federal laws.

- Designate an area to drain vehicle fluids away from storm drains and sanitary drains.

- When possible, drain vehicle fluids indoors or within covered areas, and only over floors that are constructed of a non-porous material such as concrete. Asphalt and dirt floors absorb spilled or leaked fluids, making the cleanup extremely difficult.

PROJECT Pollution PREVENTION

Did you know that just one quart of oil can pollute 250,000 gallons of water?

A clean ocean and healthy creeks, rivers, bays and beaches are important to Orange County. However, not properly disposing of used oil can lead to water pollution. If you pour or drain oil onto driveways, sidewalks or streets, it can be washed into the storm drain. Unlike water in sanitary sewers (from sinks and toilets), water in storm drains is not treated before entering the ocean. Help prevent water pollution by taking your used oil to a used oil collection center.

Included in this brochure is a list of locations that will accept up to five gallons of used motor oil at no cost. Many also accept used oil filters. Please contact the facility before delivering your used oil. This listing of companies is for your reference and does not constitute a recommendation or endorsement of the company.

Please note that used oil filters may not be disposed of with regular household trash. They must be taken to a household hazardous waste collection or recycling center in Anaheim, Huntington Beach, Irvine or San Juan Capistrano. For information about these centers, visit www.oclandfills.com.

Please do not mix your oil with other substances!

For more information, please call the Orange County Stormwater Program at 1-877-89-SPILL (1-877-897-7455) or visit www.watersheds.com.

For information about the proper disposal of household hazardous waste, call the Household Waste Hotline at (714) 834-6752 or visit www.oclandfills.com.

RECYCLE USED OIL

For additional information about the nearest oil recycling center, call the Used Oil Program at 1-800-CLEANUP or visit www.cleanup.org.

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Help Prevent Ocean Pollution:

Recycle at Your Local Used Oil Collection Center

The Ocean Begins at Your Front Door

PROJECT Pollution PREVENTION

NORTH COUNTY

Used Oil Collection Centers

Anaheim

All Seasons Tire and Auto Center, Inc.
817 S Brookhurst St., Anaheim, CA 92804
(714)772-6090( )
CIWMB#: 30-C-03177

AutoZone #3317
423 N Anaheim Blvd., Anaheim, CA 92805
(714)776-0787( )
CIWMB#: 30-C-05263

AutoZone #5226
2145 W Lincoln Ave., Anaheim, CA 92801
(714)533-6599( )
CIWMB#: 30-C-04604

Bedard Automotive
3601 E Miraloma Ave., Anaheim, CA 92806
(714)528-1380( )
CIWMB#: 30-C-02205

Classic Chevrolet
1001 Weir Canyon Rd., Anaheim, CA 92807
(714)283-5400( )
CIWMB#: 30-C-05223

Econo Lube N' Tune #4
3201 W Lincoln Ave., Anaheim, CA 92801
(714)821-0128( )
CIWMB#: 30-C-01485

EZ Lube Inc - Savi Ranch #43
985 N Weir Canyon Rd., Anaheim, CA 92807
(714)556-1312( )
CIWMB#: 30-C-06011

Firestone Store #71C7
1200 S Magnolia Ave., Anaheim, CA 92804
(949)598-5520( )
CIWMB#: 30-C-05743

Great Western Lube Express
125 N Brookhurst St., Anaheim, CA 92801
(714)254-1300( )
CIWMB#: 30-C-05542

HR Pro Auto Service Center
3180 W Lincoln Ave., Anaheim, CA 92801
(714)761-4343( )
CIWMB#: 30-C-05927

Ira Newman Automotive Services
1507 N State College Blvd., Anaheim, CA 92806
(714)635-2392( )
CIWMB#: 30-C-01482

Jiffy Lube #1028
2400 W Ball Rd., Anaheim, CA 92804
(714)761-5211( )
CIWMB#: 30-C-00870

Jiffy Lube #1903
2505 E Lincoln Ave., Anaheim, CA 92806
(714)772-4000( )
CIWMB#: 30-C-05511

Jiffy Lube #2340
2181 W Lincoln Ave., Anaheim, CA 92801
(714)533-1000( )
CIWMB#: 30-C-04647

Kragen Auto Parts #1303
1088 N State College Blvd., Anaheim, CA 92806
(714)956-7351( )
CIWMB#: 30-C-03438

Kragen Auto Parts #1399
2245 W Ball Rd., Anaheim, CA 92804
(714)490-1274( )
CIWMB#: 30-C-04094

Kragen Auto Parts #1565
2072 Lincoln Ave., Anaheim, CA 92806
(714)502-6992( )
CIWMB#: 30-C-04078

Kragen Auto Parts #1582
3420 W Lincoln Ave., Anaheim, CA 92801
(714)828-7977( )
CIWMB#: 30-C-04103

Pep Boys #613
10912 Katella Ave., Anaheim, CA 92804
(714)638-0863( )
CIWMB#: 30-C-01756

Pep Boys #663
3030 W Lincoln Anaheim, CA 92801
(714)826-4810( )
CIWMB#: 30-C-03417

Pep Boys #809
8205 E Santa Ana Cyn Rd., Anaheim, CA 92808
(714)974-0105( )
CIWMB#: 30-C-03443

Pick Your Part
1235 S Beach Blvd., Anaheim, CA 92804
(714)527-1645( )
CIWMB#: 30-C-03744

PK Auto Performance
3106 W. Lincoln Ave., Anaheim, CA 92801
(714)826-2141( )
CIWMB#: 30-C-05628

Quick Change Lube and Oil
2731 W Lincoln Ave., Anaheim, CA 92801
(714)821-4464( )
CIWMB#: 30-C-04363

Saturn of Anaheim
1380 S Auto Center Dr., Anaheim, CA 92806
(714)648-2444( )
CIWMB#: 30-C-06332

Sun Tech Auto Service
105 S State College Blvd., Anaheim, CA 92806
(714)956-1389( )
CIWMB#: 30-C-06455

Vonic Truck Services
515 S Rose St., Anaheim, CA 92805
(714)533-3333( )
CIWMB#: 30-C-01142

Anaheim Hills

Anaheim Hills Car Wash & Lube
5810 E La Palma Ave., Anaheim Hills, CA 92807
(714)777-6605( )
CIWMB#: 30-C-01387

Brea

Firestone Store #27A9
891 E Imperial Hwy., Brea, CA 92821
(714)529-8404( )
CIWMB#: 30-C-01221

Oil Can Henry's
230 N Brea Blvd., Brea, CA 92821
(714)990-1900( )
CIWMB#: 30-C-04273

Buena Park

Firestone Store #71F7
6011 Orangethorpe Buena Park, CA 90620
(714)670-7912( )
CIWMB#: 30-C-01218

Firestone Store #71T8
8600 Beach Blvd., Buena Park, CA 90620
(714)827-5300( )
CIWMB#: 30-C-02121

Kragen Auto Parts #1204
5303 Beach Blvd., Buena Park, CA 90621
(714)994-1320( )
CIWMB#: 30-C-02623

Cypress

AutoZone #5521
5471 Lincoln Ave., Cypress, CA 90630
(714)995-4644( )
CIWMB#: 30-C-00836

Big O Tires
6052 Cerritos Ave., Cypress, CA 90630
(714)826-6334( )
CIWMB#: 30-C-04245

Econo Lube N' Tune #213
5497 Cerritos Ave., Cypress, CA 90630
(714)761-0456( )
CIWMB#: 30-C-06240

Jiffy Lube #851
4942 Lincoln Ave., Cypress, CA 90630
(626)965-9689( )
CIWMB#: 30-C-06182

M & N Coastline Auto & Tire Service
4005 Ball Rd., Cypress, CA 90630
(714)826-1001( )
CIWMB#: 30-C-04387

Masterlube #103
5904 Lincoln Cypress, CA 90630
(714)826-2323( )
CIWMB#: 30-C-01071

Masterlube #104
5971 Ball Rd., Cypress, CA 90630
(714)220-1555( )
CIWMB#: 30-C-04682

Metric Motors of Cypress
6042 Cerritos Ave., Cypress, CA 90630
(714)821-4702( )
CIWMB#: 30-C-05157

Fullerton

AutoZone #2898
146 N. Raymond Ave., Fullerton, CA 92831
(714)870-9772( )
CIWMB#: 30-C-04488

AutoZone #5522
1801 Orangethorpe W. Fullerton, CA 92833
(714)870-8286( )
CIWMB#: 30-C-06062

AutoZone #5523
102 N Euclid Fullerton, CA 92832
(714)870-8286( )
CIWMB#: 30-C-04755

EZ Lube #17
4002 N Harbor Blvd., Fullerton, CA 92835
(714)871-9980( )
CIWMB#: 30-C-03741

Firestone Store #27EH
1933 N Placentia Ave., Fullerton, CA 92831
(714)993-7100( )
CIWMB#: 30-C-02122

Fox Service Center
1018 W Orangethorpe Fullerton, CA 92833
(714)879-1430( )
CIWMB#: 30-C-02318

Fullerton College Automotive Technology
321 E Chapman Ave., Fullerton, CA 92832
(714)992-7275( )
CIWMB#: 30-C-03165

Kragen Auto Parts #0731
2978 Yorba Linda Fullerton, CA 92831
(714)996-4780( )
CIWMB#: 30-C-02628

Kragen Auto Parts #4133
904 W Orangethorpe Ave., Fullerton, CA 92832
(714)526-3570( )
CIWMB#: 30-C-06256

Pep Boys #642
1530 S Harbor Blvd., Fullerton, CA 92832
(714)870-0700( )
CIWMB#: 30-C-01755

Sunnyside 76 Car Care Center
2701 N Brea Blvd., Fullerton, CA 92835
(714)256-0773( )
CIWMB#: 30-C-01381

Garden Grove

76 Pro Lube Plus
9001 Trask Ave., Garden Grove, CA 92844
(714)393-0590( )
CIWMB#: 30-C-05276

AutoZone #5527
13190 Harbor Blvd., Garden Grove, CA 92843
(714)636-5665( )
CIWMB#: 30-C-04760

David Murray Shell
12571 Vly View St., Garden Grove, CA 92845
(714)898-0170( )
CIWMB#: 30-C-00547

Express Lube & Wash
8100 Lampson Ave., Garden Grove, CA 92841
(909)316-8261( )
CIWMB#: 30-C-06544

Firestone Store #7180
10081 Chapman Ave., Garden Grove, CA 92840
(714)530-4630( )
CIWMB#: 30-C-01224

Firestone Store #71W3
13961 Brookhurst St., Garden Grove, CA 92843
(714)590-2741( )
CIWMB#: 30-C-03690

Jiffy Lube #1991
13970 Harbor Blvd., Garden Grove, CA 92843
(714)554-0610( )
CIWMB#: 30-C-05400

Kragen Auto Parts #1251
13933 N Harbor Blvd., Garden Grove, CA 92843
(714)554-3780( )
CIWMB#: 30-C-02663

Kragen Auto Parts #1555
9851 Chapman Ave., Garden Grove, CA 92841
(714)741-8030( )
CIWMB#: 30-C-04079

Nissan of Grarden Grove
9670 Trask Ave., Garden Grove, CA 92884
(714)537-0900( )
CIWMB#: 30-C-06553

Toyota of Garden Grove
9444 Trask Ave., Garden Grove, CA 92844
(714)895-5595( )
CIWMB#: 30-C-06555

La Habra

AutoZone #5532
1200 W Imperial Hwy., La Habra, CA 90631
(562)694-5337( )
CIWMB#: 30-C-04784

Burch Ford
201 N Harbor Blvd., La Habra, CA 90631
(562)691-3225( )
CIWMB#: 30-C-05179

Firestone Store #2736
1071 S Beach Blvd., La Habra, CA 90631
(562)691-1731( )
CIWMB#: 30-C-01169

Kragen Auto Parts #1569
1621 W Whittier Blvd., La Habra, CA 90631
(562)905-2538( )
CIWMB#: 30-C-04076

Pep Boys #997
125 W Imperial Hwy., La Habra, CA 90631
(714)447-0601( )
CIWMB#: 30-C-04026

SpeeDee Oil Change & Tune-Up
1580 W Imperial Hwy., La Habra, CA 90631
(562)697-3513( )

Los Alamitos

Jiffy Lube #1740
3311 Katella Ave., Los Alamitos, CA 90720
(562)596-1827( )
CIWMB#: 30-C-03529

Midway City

Bolsa Transmission
8331 Bolsa Ave., Midway City, CA 92655
(714)799-6158( )
CIWMB#: 30-C-05768

Placentia

Advanced Auto & Diesel
144 S Bradford Placentia, CA 92870
(714)996-8222( )
CIWMB#: 30-C-06242

Castner's Auto Service
214 S. Bradford Ave., Placentia, CA 92870
(714)528-1311( )
CIWMB#: 30-C-06452

Econo Lube N' Tune
100 W Chapman Ave., Placentia, CA 92870
(714)524-0424( )
CIWMB#: 30-C-06454

Fairway Ford
1350 E Yorba Linda Blvd., Placentia, CA 92870
(714)524-1200( )
CIWMB#: 30-C-01863

Seal Beach

M & N Coastline Auto & Tire Service
12239 Seal Beach Blvd., Seal Beach, CA 90740
(714)826-1001( )
CIWMB#: 30-C-04433

Seal Beach Chevron
12541 Seal Beach Blvd., Seal Beach, CA 90740
(949)495-0774(14)
CIWMB#: 30-C-06425

Stanton

AutoZone #2806
11320 Beach Blvd., Stanton, CA 90680
(714)895-7665( )
CIWMB#: 30-C-04563

Joe's Auto Clinic
11763 Beach Blvd., Stanton, CA 90680
(714)891-7715( )
CIWMB#: 30-C-03253

Kragen Auto Parts #1742
11951 Beach Blvd., Stanton, CA 90680
(714)799-7574( )
CIWMB#: 30-C-05231

Scher Tire #20
7000 Katella Ave., Stanton, CA 90680
(714)892-9924( )
CIWMB#: 30-C-05907

USA 10 Minute Oil Change
8100 Lampson Ave., Stanton, CA 92841
(714)373-4432( )
CIWMB#: 30-C-05909

Westminster

AutoZone #5543
6611 Westminster Blvd., Westminster, CA 92683
(714)898-2898( )
CIWMB#: 30-C-04964

AutoZone #5544
8481 Westminster Blvd., Westminster, CA 92683
(714)891-3511( )
CIWMB#: 30-C-04966

City of Westminster Corporate Yard
14381 Olive St., Westminster, CA 92683
(714)895-2876(292)
CIWMB#: 30-C-02008

Honda World
13600 Beach Blvd., Westminster, CA 92683
(714)890-8900( )
CIWMB#: 30-C-03639

Jiffy Lube #1579
6011 Westminster Blvd., Westminster, CA 92683
(714)899-2727( )
CIWMB#: 30-C-02745

John's Brake & Auto Repair
13050 Hoover St., Westminster, CA 92683
(714)379-2088( )
CIWMB#: 30-C-05617

Kragen Auto Parts #0762
6562 Westminster Blvd., Westminster, CA 92683
(714)898-0810( )
CIWMB#: 30-C-02590

Midway City Sanitary District
14451 Cedarwood St., Westminster, CA 92683
(714)893-3553( )
CIWMB#: 30-C-01626

Pep Boys #653
15221 Beach Blvd., Westminster, CA 92683
(714)893-8544( )
CIWMB#: 30-C-03415

Yorba Linda

AutoZone #5545
18528 Yorba Linda Blvd., Yorba Linda, CA 92886
(714)970-8933( )
CIWMB#: 30-C-04971

Econo Lube N' Tune
22270 La Palma Ave., Yorba Linda, CA 92887
(714)692-8394( )
CIWMB#: 30-C-06513

EZ Lube Inc. #41
17511 Yorba Linda Blvd., Yorba Linda, CA 92886
(714)556-1312( )
CIWMB#: 30-C-05739

Firestone Store #27T3
18500 Yorba Linda Blvd., Yorba Linda, CA 92886
(714)779-1966( )
CIWMB#: 30-C-01222

Jiffy Lube #1532
16751 Yorba Linda Blvd., Yorba Linda, CA 92886
(714)528-2800( )
CIWMB#: 30-C-03777

Mike Schultz Import Service
4832 Eureka Ave., Yorba Linda, CA 92886
(714)528-4411( )
CIWMB#: 30-C-04313

This information was provided by the County of Orange Integrated Waste Management Department and the California Integrated Waste Management Board (CIWMB).

Clean beaches and healthy creeks, rivers, bays and ocean are important to Orange County. However, many common activities can lead to water pollution if you're not careful. Home improvement projects and work sites must be maintained to ensure that building materials do not enter the street, gutter or storm drain. Unlike water in sanitary sewers (from sinks and toilets), water in storm drains is not treated before entering our waterways.

You would never dump building materials into the ocean, so don't let them enter the storm drains. Follow these tips to help prevent water pollution.

For more information,
please call the
Orange County Stormwater Program
at **1-877-89-SPILL** (1-877-897-7455)
or visit
www.ocwatersheds.com

To report a spill,
call the
Orange County 24-Hour Water Pollution Problem Reporting Hotline
at **1-877-89-SPILL** (1-877-897-7455).

For emergencies, dial 911.

The tips contained in this brochure provide useful information to help prevent water pollution while performing home improvement projects. If you have other suggestions, please contact your city's stormwater representatives or call the Orange County Stormwater Program.

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Help Prevent Ocean Pollution:

Tips for Home Improvement Projects

Tips for Home Improvement Projects

Home improvement projects can cause significant damage to the environment. Whether you hire a contractor or work on the house yourself, it is important to follow these simple tips while renovating, remodeling or improving your home:

General Construction

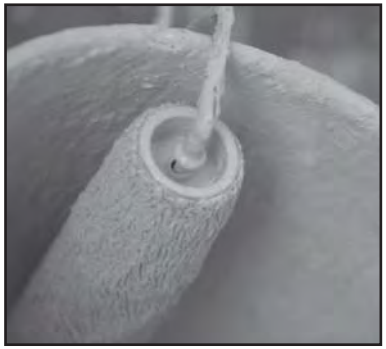
- Schedule projects for dry weather.
- Keep all construction debris away from the street, gutter and storm drain.
- Store materials under cover with temporary roofs or plastic sheets to eliminate or reduce the possibility that rainfall, runoff or wind will carry materials from the project site to the street, storm drain or adjacent properties.

Building Materials

- Never hose materials into a street, gutter or storm drain.
- Exposed piles of construction material should not be stored on the street or sidewalk.
- Minimize waste by ordering only the amount of materials needed to complete the job.
- Do not mix more fresh concrete than is needed for each project.
- Wash concrete mixers and equipment in a designated washout area where the water can flow into a containment area or onto dirt.
- Dispose of small amounts of dry excess materials in the trash. Powdery waste, such as dry concrete, must be properly contained within a box or bag prior to disposal. Call your local trash hauler for weight and size limits.

Paint

- Measure the room or object to be painted, then buy only the amount needed.
- Place the lid on firmly and store the paint can upside-down in a dry location away from the elements.
- Tools such as brushes, buckets and rags should never be washed where excess water can drain into the street, gutter or storm drain. All tools should be rinsed in a sink connected to the sanitary sewer.
- When disposing of paint, never put wet paint in the trash.
- Dispose of water-based paint by removing the lid and letting it dry in the can. Large amounts must be taken to a Household Hazardous Waste Collection Center (HHWCC).



- Oil-based paint is a household hazardous waste. All leftover paint should be taken to a HHWCC.
- For HHWCC locations and hours, call **(714) 834-6752** or visit **www.oclandfills.com**.

Erosion Control

- Schedule grading and excavation projects for dry weather.
- When temporarily removing soil, pile it in a contained, covered area where it cannot spill into the street, or obtain the required temporary encroachment or street closure permit and follow the conditions instructed by the permit.
- When permanently removing large quantities of soil, a disposal location must be found prior to excavation. Numerous businesses are available to handle disposal needs. For disposal options, visit **www.ciwmb.ca.gov/SWIS**.
- Prevent erosion by planting fast-growing annual and perennial grasses. They will shield and bind the soil.

Recycle

- Use a construction and demolition recycling company to recycle lumber, paper, cardboard, metals, masonry (bricks, concrete, etc.), carpet, plastic, pipes (plastic, metal and clay), drywall, rocks, dirt and green waste.
- For a listing of construction and demolition recycling locations in your area, visit **www.ciwmb.ca.gov/recycle.**

Spills

- Clean up spills immediately by using an absorbent material such as cat litter, then sweep it up and dispose of it in the trash.
- Immediately report spills that have entered the street, gutter or storm drain to the County's 24-Hour Water Pollution Problem Reporting Hotline at **1-877-897-7455** or visit **www.ocwatersheds.com** to fill out an incident reporting form.

PROJECT Pollution PREVENTION

Clean beaches and healthy creeks, rivers, bays and ocean are important to Orange County. However, many common activities such as painting can lead to water pollution if you're not careful. Paint must be used, stored and disposed of properly to ensure that it does not enter the street, gutter or storm drain. Unlike water in sanitary sewers (from sinks and toilets), water in storm drains is not treated before entering our waterways.

You would never dump paint into the ocean, so don't let it enter the storm drains. Follow these easy tips to help prevent water pollution.

For more information,
please call the
Orange County Stormwater Program
at **1-877-89-SPILL** (1-877-897-7455)
or visit
www.ocwatersheds.com

To report a spill,
call the
Orange County 24-Hour Water Pollution Problem Reporting Hotline
at **1-877-89-SPILL** (1-877-897-7455).

For emergencies, dial 911.

The tips contained in this brochure provide useful information to help prevent water pollution while using, storing and disposing of paint. If you have other suggestions, please contact your city's stormwater representatives or call the Orange County Stormwater Program.

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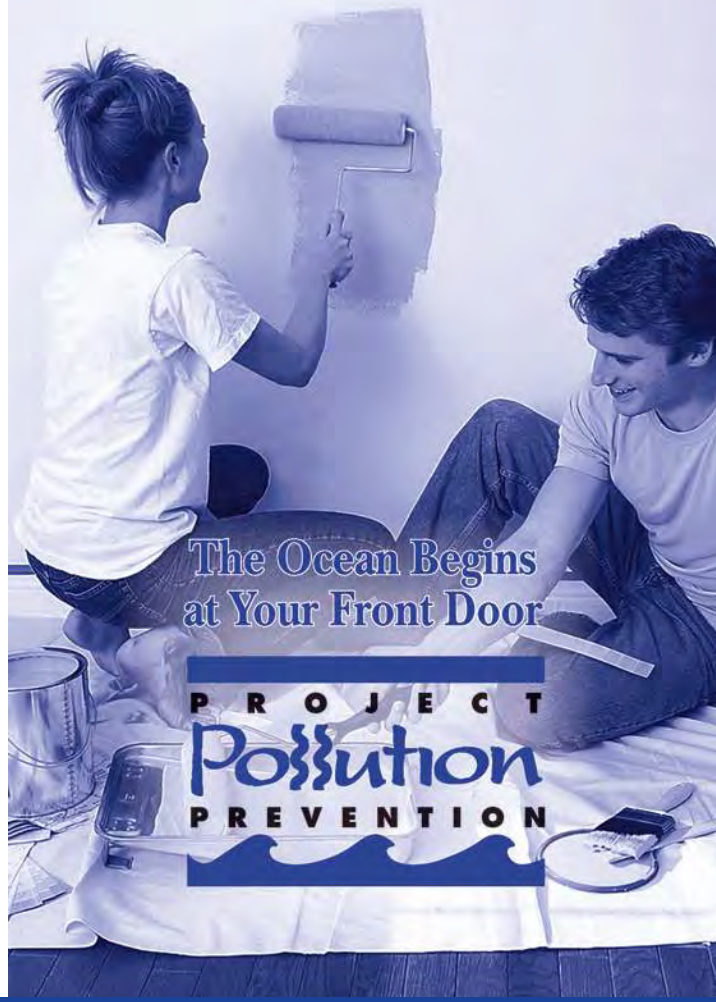
Help Prevent Ocean Pollution:

Tips for Projects Using Paint



Tips for Projects Using Paint

Paint can cause significant damage to our environment. Whether you hire a contractor or do it yourself, it is important to follow these simple tips when purchasing, using, cleaning, storing and disposing of paint.

Purchasing Paint

- Measure the room or object to be painted, then buy only the amount needed.
- Whenever possible, use water-based paint since it usually does not require hazardous solvents such as paint thinner for cleanup.

Painting

- Use only one brush or roller per color of paint to reduce the amount of water needed for cleaning.
- Place open paint containers or trays on a stable surface and in a position that is unlikely to spill.
- Always use a tarp under the area or object being painted to collect paint drips and contain spills.

Cleaning

- Never clean brushes or rinse paint containers in the street, gutter or storm drain.
- For oil-based products, use as much of the paint on the brushes as possible. Clean brushes with thinner. To reuse thinner, pour it through a fine filter (e.g. nylon, metal gauze or filter paper) to remove solids such as leftover traces of paint.
- For water-based products, use as much of the paint on the brushes as possible, then rinse in the sink.
- Collect all paint chips and dust. Chips and dust from marine paints or paints containing lead, mercury or tributyl tin are hazardous waste. Sweep up and dispose of at a Household Hazardous Waste Collection Center (HHWCC).

Storing Paint

- Store paint in a dry location away from the elements.
- Store leftover water-based paint, oil-based paint and solvents separately in original or clearly marked containers.
- Avoid storing paint cans directly on cement floors. The bottom of the can will rust much faster on cement.
- Place the lid on firmly and store the paint can upside-down to prevent air from entering. This will keep the paint usable longer. Oil-based paint is usable for up to 15 years. Water-based paint remains usable for up to 10 years.

Alternatives to Disposal

- Use excess paint to apply another coat, for touch-ups, or to paint a closet, garage, basement or attic.
- Give extra paint to friends or family. Extra paint can also be donated to a local theatre group, low-income housing program or school.
- Take extra paint to an exchange program such as the **"Stop & Swap"** that allows you to drop off or pick up partially used home care products free of charge. **"Stop & Swap"** programs are available at most HHWCCs.
- For HHWCC locations and hours, call **1-877-897-7455** or visit **www.oclandfills.com**.

Disposing of Paint

- Never put wet paint in the trash.

For water-based paint:

- If possible, brush the leftover paint on cardboard or newspaper. Otherwise, allow the paint to dry in the can with the lid off in a well-ventilated area protected from the elements, children and pets. Stirring the paint every few days will speed up the drying.
- Large quantities of extra paint should be taken to a HHWCC.
- Once dried, paint and painted surfaces may be disposed of in the trash. When setting a dried paint can out for trash collection, leave the lid off so the collector will see that the paint has dried.

For oil-based paint:

- Oil-based paint is a household hazardous waste. All leftover paint should be taken to a HHWCC.

Aerosol paint:

- Dispose of aerosol paint cans at a HHWCC.

Spills

- Never hose down pavement or other impermeable surfaces where paint has spilled.
- Clean up spills immediately by using an absorbent material such as cat litter. Cat litter used to clean water-based paint spills can be disposed of in the trash. When cleaning oil-based paint spills with cat litter, it must be taken to a HHWCC.
- Immediately report spills that have entered the street, gutter or storm drain to the County's 24-Hour Water Pollution Problem Reporting Hotline at **1-877-897-7455** or visit **www.ocwatersheds.com** to fill out an incident reporting form.

PROJECT Pollution PREVENTION

Sewage Spill Regulatory Requirements

Allowing sewage to discharge to a gutter or storm drain may subject you to penalties and/or out-of-pocket costs to reimburse cities or public agencies for clean-up efforts.

Here are the pertinent codes, fines, and agency contact information that apply.

Orange County Stormwater Program

24 Hour Water Pollution Reporting Hotline
1-877-89-SPILL (1-877-897-7455)

- County and city water quality ordinances prohibit discharges containing pollutants.

Orange County Health Care Agency Environmental Health

(714) 433-6419

California Health and Safety Code, Sections 5410-5416

- No person shall discharge raw or treated sewage or other waste in a manner that results in contamination, pollution or a nuisance.
- Any person who causes or permits a sewage discharge to any state waters:
  - must immediately notify the local health agency of the discharge.
  - shall reimburse the local health agency for services that protect the public's health and safety (water-contact receiving waters).
  - who fails to provide the required notice to the local health agency is guilty of a misdemeanor and shall be punished by a fine (between $500–$1,000) and/or imprisonment for less than one year.

Regional Water Quality Control Board

Santa Ana Region (951) 782-4130
San Diego Region (858) 467-2952

- Requires the prevention, mitigation, response to and reporting of sewage spills.

California Office of Emergency Services

(800) 852-7550

California Water Code, Article 4, Chapter 4, Sections 13268-13271
California Code of Regulations, Title 23, Division 3, Chapter 9.2, Article 2, Sections 2250-2260

- Any person who causes or permits sewage in excess of 1,000 gallons to be discharged to state waters **shall immediately notify the Office of Emergency Services.**
- Any person who fails to provide the notice required by this section is **guilty of a misdemeanor** and shall be punished by a fine (less than $20,000) and/or imprisonment for not more than one year.

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Sewage Spill

Reference Guide

Your Responsibilities as a Private Property Owner

Residences
Businesses
Homeowner/Condominium Associations
Federal and State Complexes
Military Facilities

Orange County Sanitation District

Health Care Agency
Environmental Health

PROJECT Pollution PREVENTION
www.ocwatersheds.com

This brochure was designed courtesy of the Orange County Sanitation District (OCSD).
For additional information, call (714) 962-2411, or visit their website at www.ocsd.com

What is a Sewage Spill?

Sewage spills occur when the wastewater being transported via underground pipes overflows through a manhole, cleanout or broken pipe. Sewage spills can cause health hazards, damage to homes and businesses, and threaten the environment, local waterways and beaches.

Common Causes of Sewage Spills

Grease builds up inside and eventually blocks sewer pipes. Grease gets into the sewer from food establishments, household drains, as well as from poorly maintained commercial grease traps and interceptors.

Structure problems caused by tree roots in the lines, broken/cracked pipes, missing or broken cleanout caps or undersized sewers can cause blockages.

Infiltration and inflow (I/I) impacts pipe capacity and is caused when groundwater or rainwater enters the sewer system through pipe defects and illegal connections.

You Are Responsible for a Sewage Spill Caused by a Blockage or Break in Your Sewer Lines!

Time is of the essence in dealing with sewage spills. You are required to **immediately**:

Control and minimize the spill. Keep spills contained on private property and out of gutters, storm drains and public waterways by shutting off or not using the water.

Use sandbags, dirt and/or plastic sheeting to prevent sewage from entering the storm drain system.

Clear the sewer blockage. Always wear gloves and wash your hands. It is recommended that a plumbing professional be called for clearing blockages and making necessary repairs.

Always notify your city sewer/public works department or public sewer district of sewage spills. If the spill enters the storm drains also notify the Health Care Agency. In addition, if it exceeds 1,000 gallons notify the Office of Emergency Services. Refer to the numbers listed in this brochure.

Overflowing cleanout pipe located on private property

You Could Be Liable

Allowing sewage from your home, business or property to discharge to a gutter or storm drain may subject you to penalties and/or out-of-pocket costs to reimburse cities or public agencies for clean-up and enforcement efforts. See Regulatory Codes & Fines section for pertinent codes and fines that apply.

What to Look For

Sewage spills can be a very noticeable gushing of water from a manhole or a slow water leak that may take time to be noticed. Don't dismiss unaccounted-for wet areas.

Look for:

- Drain backups inside the building.
- Wet ground and water leaking around manhole lids onto your street.
- Leaking water from cleanouts or outside drains.
- Unusual odorous wet areas: sidewalks, external walls or ground/landscape around a building.

Caution

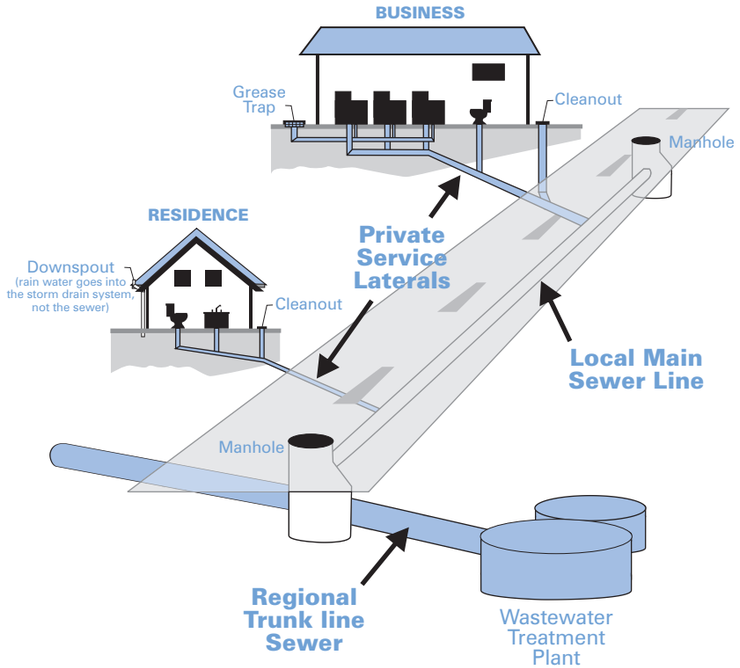
Keep people and pets away from the affected area. Untreated sewage has high levels of disease-causing viruses and bacteria. Call your local health care agency listed on the back for more information.

If You See a Sewage Spill Occurring, Notify Your City Sewer/Public Works Department or Public Sewer District IMMEDIATELY!

How a Sewer System Works

A property owner's sewer pipes are called service laterals and are connected to larger local main and regional trunk lines. Service laterals run from the connection at the home to the connection with the public sewer (including the area under the street). These laterals are the responsibility of the property owner and must be maintained by the property owner. Many city agencies have adopted ordinances requiring maintenance of service laterals. Check with your city sewer/local public works department for more information.

Operation and maintenance of **local and regional sewer lines** are the responsibility of the city sewer/public works departments and public sewer districts.



How You Can Prevent Sewage Spills

1. **Never put grease down garbage disposals, drains or toilets.**
2. **Perform periodic cleaning to eliminate grease, debris and roots in your service laterals.**
3. **Repair any structural problems in your sewer system and eliminate any rainwater infiltration/inflow leaks into your service laterals.**

Preventing Grease Blockages

The drain is not a dump! Recycle or dispose of grease properly and never pour grease down the drain.

Homeowners should mix fats, oils and grease with absorbent waste materials such as paper, coffee grounds, or kitty litter and place it in the trash. Wipe food scraps from plates and pans and dump them in the trash.

Restaurants and commercial food service establishments should always use "Kitchen Best Management Practices." These include:

- Collecting all cooking grease and liquid oil from pots, pans and fryers in covered grease containers for recycling.
- Scraping or dry-wiping excess food and grease from dishes, pots, pans and fryers into the trash.
- Installing drain screens on all kitchen drains.
- Having spill kits readily available for cleaning up spills.
- Properly maintaining grease traps or interceptors by having them serviced regularly. Check your local city codes.

Orange County Agency Responsibilites

- **City Sewer/Public Works Departments—** Responsible for protecting city property and streets, the local storm drain system, sewage collection system and other public areas.
- **Public Sewer/Sanitation District—** Responsible for collecting, treating and disposing of wastewater.
- **County of Orange Health Care Agency—** Responsible for protecting public health by closing ocean/bay waters and may close food-service businesses if a spill poses a threat to public health.
- **Regional Water Quality Control Boards—** Responsible for protecting State waters.
- **Orange County Stormwater Program—** Responsible for preventing harmful pollutants from being discharged or washed by stormwater runoff into the municipal storm drain system, creeks, bays and the ocean.

You Could Be Liable for Not Protecting the Environment

Local and state agencies have legal jurisdiction and enforcement authority to ensure that sewage spills are remedied.

They may respond and assist with containment, relieving pipe blockages, and/or clean-up of the sewage spill, especially if the spill is flowing into storm drains or onto public property.

A property owner may be charged for costs incurred by these agencies responding to spills from private properties.

Report Sewage Spills!

City Sewer/Public Works Departments

Aliso Viejo	(949) 425-2500
Anaheim	(714) 765-6860
Brea	(714) 990-7691
Buena Park	(714) 562-3655
Costa Mesa	(949) 645-8400
Cypress	(714) 229-6760
Dana Point	(949) 248-3562
Fountain Valley	(714) 593-4600
Fullerton	(714) 738-6897
Garden Grove	(714) 741-5375
Huntington Beach	(714) 536-5921
Irvine	(949) 453-5300
Laguna Beach	(949) 497-0765
Laguna Hills	(949) 707-2650
Laguna Niguel	(949) 362-4337
Laguna Woods	(949) 639-0500
La Habra	(562) 905-9792
Lake Forest	(949) 461-3480
La Palma	(714) 690-3310
Los Alamitos	(562) 431-3538
Mission Viejo	(949) 831-2500
Newport Beach	(949) 644-3011
Orange	(714) 532-6480
Orange County	(714) 567-6363
Placentia	(714) 993-8245
Rancho Santa Margarita	(949) 635-1800
San Clemente	(949) 366-1553
San Juan Capistrano	(949) 443-6363
Santa Ana	(714) 647-3380
Seal Beach	(562) 431-2527
Stanton	(714) 379-9222
Tustin	(714) 962-2411
Villa Park	(714) 998-1500
Westminster	(714) 893-3553
Yorba Linda	(714) 961-7170

Public Sewer/Water Districts

Costa Mesa Sanitary District	(714) 393-4433/ (949) 645-8400
El Toro Water District	(949) 837-0660
Emerald Bay Service District	(949) 494-8571
Garden Grove Sanitary District	(714) 741-5375
Irvine Ranch Water District	(949) 453-5300
Los Alamitos/Rossmoor Sewer District	(562) 431-2223
Midway City Sanitary District (Westminster)	(714) 893-3553
Moulton Niguel Water District	(949) 831-2500
Orange County Sanitation District	(714) 962-2411
Santa Margarita Water District	(949) 459-6420
South Coast Water District	(949) 499-4555
South Orange County Wastewater Authority	(949) 234-5400
Sunset Beach Sanitary District	(562) 493-9932
Trabuco Canyon Sanitary District	(949) 858-0277
Yorba Linda Water District	(714) 777-3018

Other Agencies

Orange County Health Care Agency	(714) 433-6419
Office of Emergency Services	(800) 852-7550

Clean beaches and healthy creeks, rivers, bays and ocean are important to Orange County. However, many common activities can lead to water pollution if you're not careful. Fertilizers, pesticides and other chemicals that are left on yards or driveways can be blown or washed into storm drains that flow to the ocean. Overwatering lawns can also send materials into storm drains. Unlike water in sanitary sewers (from sinks and toilets), water in storm drains is not treated before entering our waterways.

You would never pour gardening products into the ocean, so don't let them enter the storm drains. Follow these easy tips to help prevent water pollution.

For more information,
please call the
Orange County Stormwater Program
at **1-877-89-SPILL** (1-877-897-7455)
or visit
www.ocwatersheds.com

UCCE Master Gardener Hotline:
(714) 708-1646

To report a spill,
call the
Orange County 24-Hour
Water Pollution Problem
Reporting Hotline
1-877-89-SPILL (1-877-897-7455).

For emergencies, dial 911.

The tips contained in this brochure provide useful information to help prevent water pollution while landscaping or gardening. If you have other suggestions, please contact your city's stormwater representatives or call the Orange County Stormwater Program.

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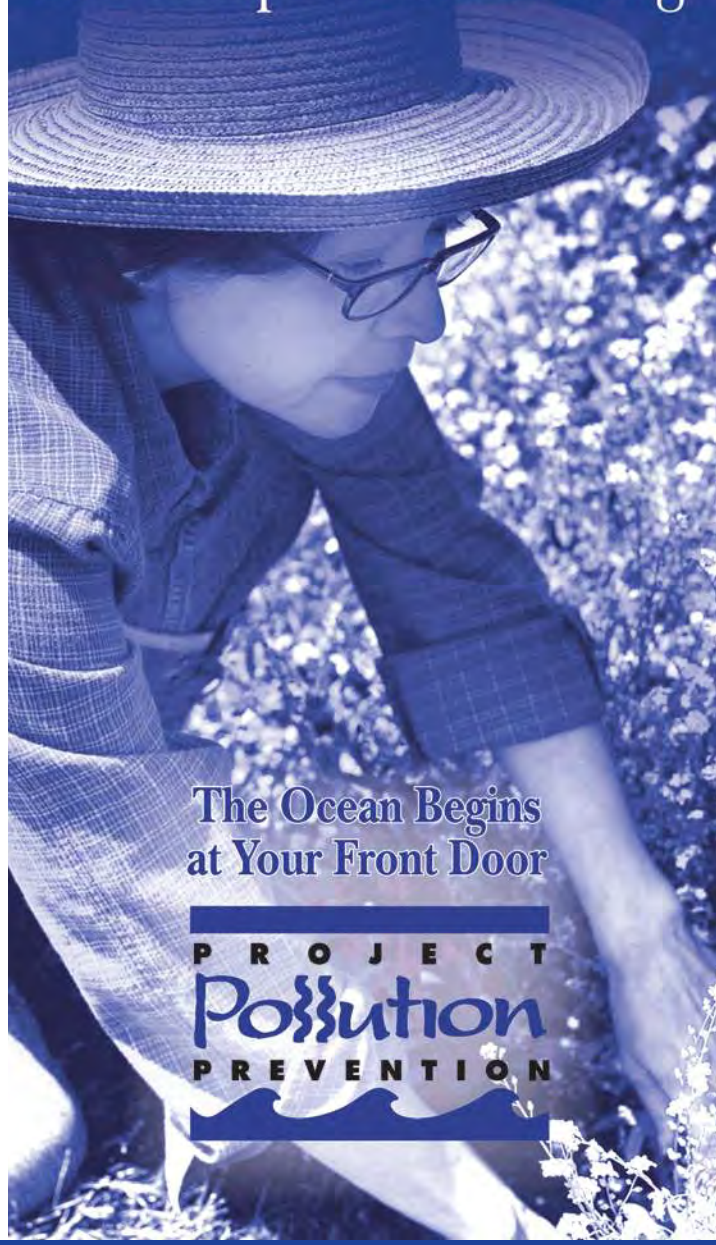
Help Prevent Ocean Pollution:

Tips for Landscape & Gardening



Tips for Landscape & Gardening

Never allow gardening products or polluted water to enter the street, gutter or storm drain.

General Landscaping Tips

- Protect stockpiles and materials from wind and rain by storing them under tarps or secured plastic sheeting.

- Prevent erosion of slopes by planting fast-growing, dense ground covering plants. These will shield and bind the soil.

- Plant native vegetation to reduce the amount of water, fertilizers, and pesticide applied to the landscape.

- Never apply pesticides or fertilizers when rain is predicted within the next 48 hours.

Garden & Lawn Maintenance

- Do not overwater. Use irrigation practices such as drip irrigation, soaker hoses or micro spray systems. Periodically inspect and fix leaks and misdirected sprinklers.

- Do not rake or blow leaves, clippings or pruning waste into the street, gutter or storm drain. Instead, dispose of green waste by composting, hauling it to a permitted landfill, or recycling it through your city's program.

- Use slow-release fertilizers to minimize leaching, and use organic fertilizers.

- Read labels and use only as directed. Do not over-apply pesticides or fertilizers. Apply to spots as needed, rather than blanketing an entire area.

- Store pesticides, fertilizers and other chemicals in a dry covered area to prevent exposure that may result in the deterioration of containers and packaging.

- Rinse empty pesticide containers and re-use rinse water as you would use the product. Do not dump rinse water down storm drains. Dispose of empty containers in the trash.

- When available, use non-toxic alternatives to traditional pesticides, and use pesticides specifically designed to control the pest you are targeting. For more information, visit **www.ipm.ucdavis.edu**.

- If fertilizer is spilled, sweep up the spill before irrigating. If the spill is liquid, apply an absorbent material such as cat litter, and then sweep it up and dispose of it in the trash.

- Take unwanted pesticides to a Household Hazardous Waste Collection Center to be recycled. Locations are provided below.

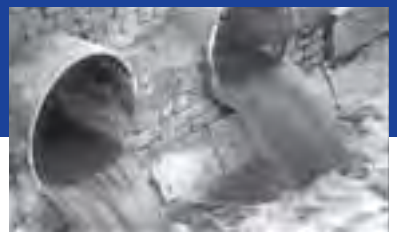
Household Hazardous Waste Collection Centers

Anaheim:	1071 N. Blue Gum St.
Huntington Beach:	17121 Nichols St.
Irvine:	6411 Oak Canyon
San Juan Capistrano:	32250 La Pata Ave.

For more information, call (714) 834-6752 or visit www.oclandfills.com

Clean beaches and healthy creeks, rivers, bays and the Pacific Ocean are important to Orange County. However, many common activities can lead to water pollution if we're not careful. Extra water flowing off lawns can carry fertilizer and pesticides as well as other pollutants from our streets and sidewalks into the storm drains. This polluted water then flows untreated directly into our creeks, rivers, bays and ocean.

You would never intentionally put litter, motor oil, pesticides and fertilizer into the ocean, so don't overwater your lawn, which can carry these pollutants into our waterways. Follow these easy tips to help prevent water pollution.



For More Information, please visit the Orange County Stormwater Program website at ww.ocwatersheds.com

To report a spill,
Call the Orange County 24-hour Water Pollution Problem Reporting Hotline
1-877-89-SPILL (1-877-897-7455)
(For emergencies, dial 911)

The tips contained in this brochure provide useful information about how you can keep excess runoff from carrying pollutants to the storm drain system. Please visit the Orange County Stormwater Program at www.ocwatersheds.com/Publiced for more resources. Other important resources include:

Municipal Water District of Orange County
www.mwdoc.com

University of California Master Gardeners of Orange County
www.uccemg.com

UC Cooperative Extension / OC Water Quality & Water Resources
www.ucanr.org/sites/urbanwatermgmt/

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Help Prevent Ocean Pollution:

Tips to Prevent Overwatering

The Ocean Begins at Your Front Door

PROJECT Pollution PREVENTION

Tips to Prevent Overwatering

What is Overwatering?

Overwatering is the use of irrigation in exceedance of the water demand of a landscaped area.

In Orange County, 60-70% of water used by residents and businesses goes to irrigation and other outdoor uses. By utilizing water resources more efficiently, more potable water may be available for other uses and will not cause urban runoff.

How Does Overwatering Lead to Pollution?

Even during the hottest summer months, you can often see water runoff going into our storm drains and into our waterways. This runoff is usually the result of overwatering of lawns. The water carries trash, motor oil, pet waste and other pollutants into our storm drains, which flow untreated to the ocean. Water runoff both pollutes our waterways and wastes water.

IT'S THE LAW! If you live in Southern Orange County, runoff from landscape irrigation that enters the street and catch basins is prohibited. Please contact your city for more information about what you can do to prevent overwatering and urban runoff.

Lawn Watering Needs

- During the fall and winter months, your lawn needs far less water than during the summer. Adjust sprinkler controls to water less during winter months.
- If your blades of grass spring up after you step on them, they are adequately watered.
- If your grass is a vibrant green and is not pale, it is receiving enough water. If your lawn becomes less verdant, it may need nutrients and not water. If possible, seek assistance from a gardening professional.
- Overwatering during fall and winter months can saturate soils and lead to lawn disease.

When is the Best Time to Water?

- Watering early in the morning before sunrise will reduce water loss due to evaporation.
- Wind tends to die down in the early morning, so the water will get to the lawn as intended.

How do I Irrigate Most Efficiently?

- Adjust the direction of your sprinkler heads so water does not spray on sidewalks, driveways or roads. By simply adjusting the direction of your sprinklers you can save water, prevent water pollution from runoff and keep your lawn healthy.
- Use an irrigation timer to minimize runoff and maximize water absorption. Water districts often provide irrigation schedules to determine the best water scheme for your yard (e.g. Irvine Ranch Water District Always Water Smart weekly irrigation schedules).
- Consider using smart irrigation controllers. Smart irrigation controllers have internal clocks as well as sensors that will turn off the sprinklers in response to environmental changes. If it is raining, too windy or too cold, the smart irrigation control sprinklers will automatically shut off.
- Consider replacing your sprinkler heads with rotating sprinkler nozzles. Rotating nozzles water more uniformly and efficiently, reducing your outdoor water use by up to 30%.
- Check with your local water agency for available rebates on irrigation controllers and other water efficient devices.
- Water by hand. Instead of using sprinklers, consider watering your yard by hand. Hand-watering ensures that all plants get the proper amount of water and you will prevent any water runoff, which carries pollutants into our waterways and wastes water.

- Fix leaks. Nationwide, households waste one trillion gallons of water a year to leaks. If your garden hose is leaking, replace the nylon or rubber hose washer and ensure a tight connection. Fix broken sprinklers immediately.

Be Careful With Pesticides and Fertilizer

- Never apply pesticides or fertilizer when rain is predicted within the next 48 hours.

- Read labels and use only as directed. Do not over-apply pesticides or fertilizers. Apply to spots as needed rather than blanketing an entire area.
- Utilize least toxic alternatives to pesticides to manage lawn and garden pests where possible. Pesticides are transported via runoff to waterways and can be harmful to aquatic organisms. Visit www.ipm.ucdavis.edu for more information about pest management practices.

Native Vegetation and Maintenance

- "California Friendly" plants or native vegetation can significantly reduce water use. These plants often require far less fertilizers and pesticides, w hich are two significant pollutants found in Orange County waterways. Replacing water "thirsty" plants and grass types with water efficient natives is a great way to save water and reduce the need for potentially harmful pesticides and fertilizer.
- Please see the California Friendly Garden Guide produced by the Metropolitan Water District of Southern California and associated Southern California Water Agencies for a catalog of California friendly plants and other garden resources at www. bewaterwise.com/Gardensoft.

PROJECT Pollution PREVENTION

Clean beaches and healthy creeks, rivers, bays and ocean are important to Orange County. However, many common activities can lead to water pollution if you're not careful. Pet waste and pet care products can be washed into the storm drains that flow to the ocean. Unlike water in sanitary sewers (from sinks and toilets), water in storm drains is not treated before entering our waterways.

You would never put pet waste or pet care products into the ocean, so don't let them enter the storm drains. Follow these easy tips to help prevent water pollution.

For more information,
please call the
Orange County Stormwater Program
at **1-877-89-SPILL** (1-877-897-7455)
or visit
www.ocwatersheds.com

To report a spill,
call the
Orange County 24-Hour Water Pollution Problem Reporting Hotline
1-877-89-SPILL (1-877-897-7455).

For emergencies, dial 911.

The tips contained in this brochure provide useful information to help prevent water pollution while caring for your pet. If you have other suggestions, please contact your city's stormwater representatives or call the Orange County Stormwater Program.

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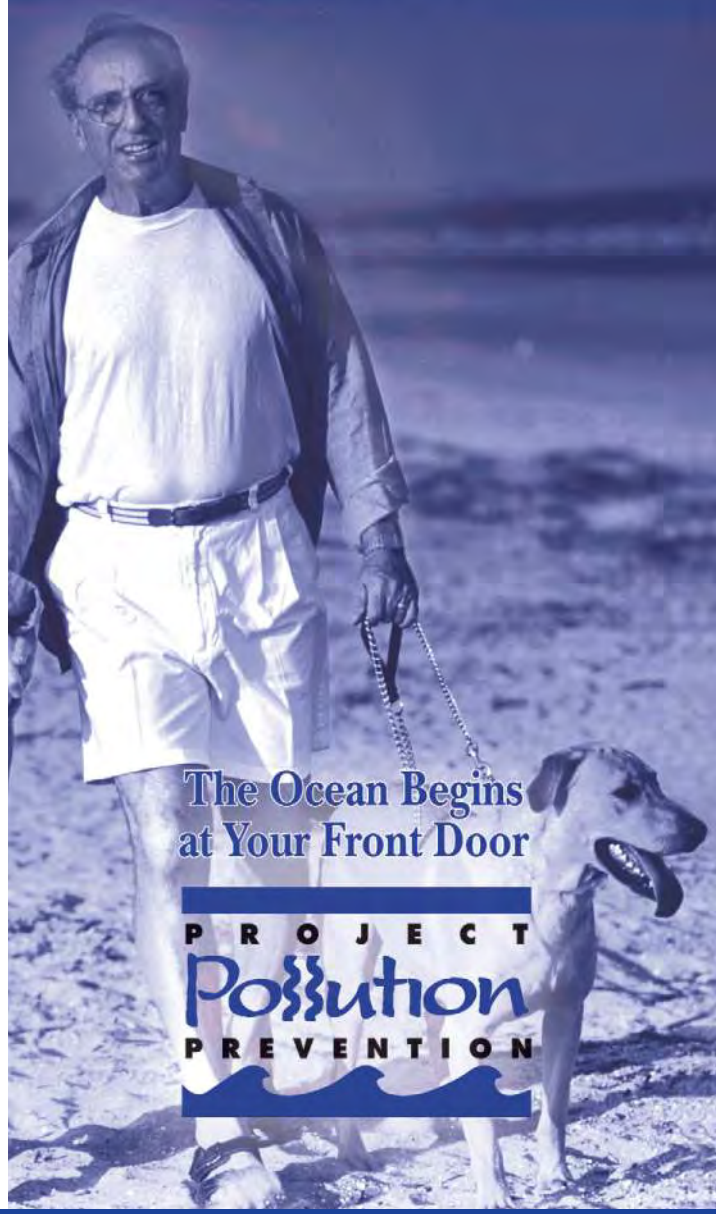
Help Prevent Ocean Pollution:

Tips for Pet Care



Tips for Pet Care

Never let any pet care products or washwater run off your yard and into the street, gutter or storm drain.

Washing Your Pets

Even biodegradable soaps and shampoos can be harmful to marine life and the environment.

- If possible, bathe your pets indoors using less-toxic shampoos or have your pet professionally groomed. Follow instructions on the products and clean up spills.

- If you bathe your pet outside, wash it on your lawn or another absorbent/ permeable surface to keep the washwater from running into the street, gutter or storm drain.

Flea Control

- Consider using oral or topical flea control products.

- If you use flea control products such as shampoos, sprays or collars, make sure to dispose of any unused products at a Household Hazardous Waste Collection Center. For location information, call **(714) 834-6752**.

Why You Should Pick Up After Your Pet

It's the law! Every city has an ordinance requiring you to pick up after your pet. Besides being a nuisance, pet waste can lead to water pollution, even if you live inland. During rainfall, pet waste left outdoors can wash into storm drains. This waste flows directly into our waterways and the ocean where it can harm human health, marine life and the environment.

As it decomposes, pet waste demands a high level of oxygen from water. This decomposition can contribute to killing marine life by reducing the amount of dissolved oxygen available to them.

Have fun with your pets, but please be a responsible pet owner by taking care of them and the environment.

- Take a bag with you on walks to pick up after your pet.

- Dispose of the waste in the trash or in a toilet.

PROJECT Pollution PREVENTION

Attachment C

Geotechnical Report

ALTA CALIFORNIA
GEOTECHNICAL INC.

170 North Maple Street, Suite 108
Corona, CA 92880
www.altageotechnical.com

BRANDYWINE HOMES
16580 Alston Street
Irvine, CA 92606

January 16, 2024
Project No. 1-0506

Attention: Mr. Sarah Eskandari

Subject: **GEOTECHNICAL INVESTIGATION**
5802 Santa Catalina Avenue
City of Garden Grove, County of Orange, California

References: Appendix A

Dear Ms. Eskandari:

Alta California Geotechnical, Inc. (Alta) is pleased to present this geotechnical investigation for the proposed development located at 5802 Santa Catalina Avenue, in the City of Garden Grove, County of Orange, California. This report is based on a recent subsurface investigation conducted by Alta, laboratory testing, a review of the referenced reports, and Alta's staff's experience with similar projects in this vicinity.

Alta's review of the data indicates that the proposed development is feasible, from a geotechnical perspective, provided that the recommendations presented in this report are incorporated into the grading and improvement plans and implemented during site development.

Included in this report are:

- Discussion of the site geotechnical conditions.
- Recommendations for remedial and site grading, including unsuitable soil removals.
- Geotechnical site construction recommendations.
- Liquefaction analysis.
- Foundation design parameters.

If you have any questions or should you require any additional information, please contact the undersigned at (951) 509-7090. Alta appreciates the opportunity to provide geotechnical consulting services for your project.

Sincerely,
Alta California Geotechnical, Inc.

YOUSSEF F. HIJAZI
Engineering Geology Associate

Reviewed By:

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Registered Geotechnical Engineer
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Vice President

Distribution: (1) Addressee

YFH: SAG:TJM -1-0506, January 16, 2024 (Geotechnical Investigation, 5802 Santa Catalina, Garden Grove)

1.0 INTRODUCTION 1
1.1 Purpose 1
1.2 Scope of Work 1
1.3 Report Limitations 2
2.0 PROJECT DESCRIPTION 2
2.1 Site Location and Background 2
2.2 Proposed Development 2
3.0 SITE INVESTIGATION 3
3.1 Investigation and Laboratory Testing 3
3.2 Infiltration Testing 3
4.0 GEOLOGIC CONDITIONS 4
4.1 Geologic and Geomorphic Setting 4
4.2 Stratigraphy 4
4.2.1 Young Alluvial Fan Deposits (map symbol Qyf) 4
4.3 Geologic Structure 5
4.3.1 Tectonic Framework 5
4.3.2 Regionally Mapped Active Faults 5
4.3.3 Geologic Structure 6
4.4 Groundwater 6
4.5 Earthquake Hazards 6
4.5.1 Local and Regional Faulting 6
4.5.2 Surface Rupture 6
4.5.3 Seismicity 7
4.5.4 Liquefaction 7
4.5.5 Dry Sand Settlement 9
5.0 ENGINEERING PROPERTIES AND ANALYSIS 9
5.1 Materials Properties 9
5.1.1 Excavation Characteristics 10
5.1.2 Compressibility 10
5.1.3 Moisture 10
5.1.4 Hydro-Consolidation 10
5.1.5 Expansion Potential 11
5.1.6 Earthwork Adjustments 11
5.1.7 Chemical Analyses 11
5.2 Engineering Analysis 12
5.2.1 Bearing Capacity and Lateral Earth Pressures 12

6.0 CONCLUSIONS AND RECOMMENDATIONS 12
6.1 Remedial Grading Recommendations 12
6.1.1 Site Preparation 13
6.1.2 Unsuitable Soil Removals 13
6.2 General Earthwork Recommendations 14
6.2.1 Compaction Standards 14
6.2.2 Groundwater/Seepage 15
6.2.3 Documentation of Removals 15
6.2.4 Treatment of Removal Bottoms 15
6.2.5 Fill Placement 16
6.2.6 Moisture Content 16
6.2.7 Mixing 16
6.2.8 Import Soils 16
6.2.9 Utility Trenches 17
6.2.9.1 Excavation 17
6.2.9.2 Backfill 17
6.2.10 Backcut Stability 18
6.3 Liquefaction 19
6.4 Storm Water Infiltration Systems 20
6.5 Boundary Conditions 21
7.0 DESIGN CONSIDERATIONS 21
7.1 Structural Design 21
7.1.1 Foundation Design 22
7.1.2 Post-Tensioned Slabs/Foundation Design Recommendations 22
7.2 Moisture Barrier 23
7.3 Seismic Design 24
7.4 Fence and Garden Walls 25
7.5 Footing Excavations 25
7.6 Retaining Walls 26
7.7 Exterior Slabs and Walkways 27
7.7.1 Subgrade Compaction 27
7.7.2 Subgrade Moisture 28
7.7.3 Concrete Slab Thickness 28
7.7.4 Concrete Slab Reinforcement 28
7.7.5 Control Joints 28
7.8 Concrete Design 29
7.9 Corrosion 29
7.10 Pavement Design 29
7.11 Site Drainage 30

8.0 LOT MAINTENANCE 31
8.1 Lot Drainage 31
8.2 Burrowing Animals 31
9.0 FUTURE PLAN REVIEWS 31
10.0 CLOSURE 32
10.1 Geotechnical Review 32
10.2 Limitations 32

APPENDIX A: REFERENCES
APPENDIX B: SUBSURFACE INVESTIGATION
APPENDIX C: LABORATORY TESTING
APPENDIX D: LIQUEFACTION ANALYSIS
APPENDIX E: MAINTENANCE CONSIDERATIONS
APPENDIX F: EARTHWORK SPECIFICATIONS
APPENDIX G GRADING DETAILS

1.0 INTRODUCTION

This report presents Alta's findings, conclusions, and geotechnical recommendations for the proposed development located at 5802 Santa Catalina Avenue, in the City of Garden Grove, County of Orange, California.

1.1 Purpose

The purpose of this report is to examine the existing onsite geotechnical conditions and assess the impacts that the geotechnical conditions may have on the proposed development. This report is suitable for use in developing grading plans and engineer's cost estimates.

1.2 Scope of Work

Alta's *Scope of Work* for this geotechnical investigation included the following:

- Reviewing the referenced reports and air photos (Appendix A).
- Site geologic mapping.
- Excavating, logging, and sampling two (2) hollow-stem auger borings to a maximum depth of 51.5-feet below the existing surface (Appendix B).
- Conducting laboratory testing on samples obtained during our investigation (Appendix C).
- Performing an infiltration study with two (2) additional borings to 5.0-ft. below the ground surface (bgs) to provide an assessment of the infiltration characteristics of the onsite soil and their impact on storm water disposal.
- Conducting a liquefaction analysis.
- Evaluating engineering geologic and geotechnical engineering data, including laboratory data, to develop recommendations for site remedial grading including specialized grading techniques for unsuitable soil removals along the property boundaries, import soil, foundations, and utilities.
- Preparing this report and accompanying exhibits.

1.3 Report Limitations

The conclusions and recommendations presented in this report are based on the field and laboratory information generated during this investigation, and a review of the referenced reports. The information contained in this report is intended to be used for development of grading plans and preliminary construction cost estimates.

2.0 PROJECT DESCRIPTION

2.1 Site Location and Background

The irregular-shaped, approximately 1.60-acre site is bounded to the west, south, and east by private properties, to the southeast by Bailey Street/Santa Barbara Avenue, and to the north by two churches and Santa Catalina Avenue. The site is currently occupied by an existing structure in the northwest corner of the site, and a few mature trees in the southeastern area while the remainder consists of a parking lot.

Historic aerial photographs are available as far back as 1952 and indicate that the site originally consisted of an unoccupied open field. By 1963, the structure in the northwest corner was constructed. By 1972 the trees in the southeast portion of the site were planted. By 1992 the site had been paved. The site has remained relatively unchanged since (Historic Aerials, 2023).

2.2 Proposed Development

Alta anticipates that the existing structure and pavement will be demolished, and the site will be redeveloped to support twenty-six (26) townhomes and associated improvements. Alta anticipates that conventional cut-and-fill grading techniques will be used to develop the site. This grading will support residential structures consisting of wood frame construction with shallow foundations and reinforced concrete slabs-on-grade, and associated improvements.

3.0 SITE INVESTIGATION

3.1 Investigation and Laboratory Testing

Alta conducted a subsurface investigation on December 21st, 2023, consisting of the excavation, logging and select sampling of two (2) hollow-stem auger borings up to a maximum depth of 51.5 feet, and the installation of two (2) 5.0-ft. deep wells for infiltration testing. The locations of the exploratory excavations are shown on enclosed Plate 1 and the boring logs are presented in Appendix B.

Laboratory testing was performed on bulk and ring samples obtained during the field investigation. A brief description of the laboratory test procedures and the test results are presented in Appendix C.

3.2 Infiltration Testing

It is Alta's understanding that the project may utilize infiltration systems for storm water disposal. Details of the system are not known at this time.

Infiltration testing was undertaken using two (2) borings to 5.0-ft. bgs (P-1 and P-2). The testing was performed in general accordance with the County of Orange Technical Guidance Document. The test wells were presoaked at least 24 hours prior to testing. During testing, the water level readings were recorded every 30 minutes until the readings stabilized.

The data was then adjusted to provide an infiltration rate utilizing the Porchet Method. The resulting infiltration rate is presented in Table 3-1. The results do not include a factor of safety. Recommendations for infiltration BMP design are presented in Section 6.2.

Table 3-1 Summary of Infiltration Testing (No Factor of Safety)		
Test Designation	P-1	P-2
Approximate Depth of Test	5.0 ft	5.0 ft
Final Time Interval	30 minutes	30 minutes
Radius of Test Hole	4 inches	4 inches
Tested Infiltration Rate	0.1 inches/hr	0.1 inches/hr

4.0 GEOLOGIC CONDITIONS

4.1 Geologic and Geomorphic Setting

Regionally, the subject site is located in the Peninsular Ranges geomorphic province, which characterizes the southwest portion of southern California where right lateral major active fault zones predominately trend northwest-southeast. The Peninsular Ranges province is composed of plutonic and metamorphic rock, with lesser amounts of Tertiary volcanic and sedimentary rock, Quaternary drainage in-fills and sedimentary veneers.

4.2 Stratigraphy

Based on our literature review and subsurface investigation, the site is underlain by young alluvial fan deposits. The geologic unit is briefly described below.

4.2.1 Young Alluvial Fan Deposits (map symbol Qyf)

The young alluvial fan deposits observed at the site consists mainly of brown, brown gray, and tan gray sand, silty sand, sandy silt, and silty clay in a dry to wet and loose/firm to dense/very dense condition. The unit was logged to a depth of 51.5 feet below the ground surface.

4.3 Geologic Structure

4.3.1 Tectonic Framework

Jennings (1985) defined eight structural provinces within California that have been classified by predominant regional fault trends and similar fold structure. These provinces are in turn divided into blocks and sub-blocks that are defined by "major Quaternary faults." These blocks and sub-blocks exhibit similar structural features. Within this framework, the subject site is located within Structural Province I, which is controlled by the dominant northwest trend of the San Andreas Fault and is divided into two blocks, the Coast Range Block and the Peninsular Range Block. The Peninsular Range Block, on which this site is located, is characterized by a series of parallel, northwest trending faults that exhibit right lateral dip-slip movement. These faults are terminated by the Transverse Range block to the north and extend southward into the Baja Peninsula. These northwest trending faults divide the Peninsular Range block into eight sub-blocks. The site is located on the northwest portion of the Santa Ana Sub-block, one of the eight sub-blocks, which is bound on the east by the Elsinore fault zone and on the west by the Newport-Inglewood fault zone.

4.3.2 Regionally Mapped Active Faults

Several large, active fault systems including the Elsinore-Whittier and the Newport-Inglewood occur in the region surrounding the site. These fault systems have been studied extensively and in a large part control the geologic structure of southern California.

4.3.3 Geologic Structure

Based upon our site investigation and literature review, the surficial sediments are of Quaternary age, and are not folded or faulted.

4.4 Groundwater

Groundwater was encountered at a depth of 13.25 to 13.75 feet below the ground surface during our subsurface investigation. Based on state-provided information, the historic-high groundwater is approximately 10 feet below the ground surface (CGS, 1997).

4.5 Earthquake Hazards

The subject site is located in southern California, which is a tectonically active area. The type and magnitude of seismic hazards affecting a site are dependent on the distance to the causative fault and the intensity and magnitude of the seismic event. The seismic hazard may be primary, such as surface rupture and/or ground shaking, or secondary, such as liquefaction and/or ground lurching.

4.5.1 Local and Regional Faulting

The site is located on the northwestern portion of the Santa Ana sub-block, where the Newport-Inglewood, Puente Hills, San Joaquin, Elsinore, Palos Verdes, and San Jose faults surround the site approximately 4.5, 6.5, 8.7, 12.5, 13.1, and 19.2 miles away, respectively.

4.5.2 Surface Rupture

Active faults are not known to exist within the project and a review of Special Publication 42 indicates the site is not within a California State designated earthquake fault zone. Accordingly, the potential for fault surface rupture on the subject site is very low.

4.5.3 Seismicity

Ground shaking hazards caused by earthquakes along other active regional faults do exist. The 2022 California Building Code requires use-modified spectral accelerations and velocities for most structural designs. Seismic design parameters using soil profile types identified in the 2022 California Building Code are presented in Section 7.3.

4.5.4 Liquefaction

Seismic agitation of relatively loose saturated sands, silty sands, and some silts can result in a buildup of pore pressure. If the pore pressure exceeds the overburden stresses, a temporary quick condition known as liquefaction can occur. Liquefaction effects can manifest in several ways including: 1) loss of bearing; 2) lateral spread; 3) dynamic settlement; and 4) flow failure. Lateral spreading has typically been the most damaging mode of failure.

In general, the more recent that a sediment has been deposited, the more likely it will be susceptible to liquefaction. Other factors that must be considered are groundwater, confining stresses, relative density, and the intensity and duration of seismically induced ground shaking.

Groundwater was encountered during our subsurface investigation at depths 13.75 and 13.25 feet below the ground surface in borings B-1 and B-2, respectively. The regional groundwater map indicates that the historic-high groundwater level is approximately 10 feet below the ground surface (CGS, 1997).

Alta performed a liquefaction analysis utilizing data from our subsurface investigation to determine the liquefaction potential of the young alluvial fan deposits. A description of Alta's analysis and calculations are

presented in Appendix D of this report. A groundwater level of 10 feet below existing ground surface was assumed. The results of our findings are discussed below under the headings of the specific types of liquefaction which can be manifested during seismic shaking. Conclusions regarding liquefaction are presented in Section 6.3.

- **Loss of Bearing:**
  Liquefaction can potentially cause foundation bearing failure due to ground softening and near-failure in bearing. Based on the removal recommendations presented in this report, Alta anticipates that the potential for loss of bearing will be minimal.

- **Lateral Spreading:**
  The lateral displacement of surficial blocks of sediment can occur as a result of liquefaction in a subsurface layer. The most pervasive forms of lateral spreading typically involve sites located near a "free-face" (large slopes, channels, etc.), however, it has been noted that lateral spreading can occur on sites with gently sloping (1% or more) ground, such as the subject site.

  Determination of the potential for lateral spread is based on the presence of continuous potentially liquefiable soil layers underneath the structures, the presence of lateral confinement, and various analyses such as empirical modeling. Bartlett, Hansen and Youd (2002) states that surface manifestation of lateral spread is typically limited to sites with liquefiable soils within 10 meters (32 feet) of grade, and that sites underlain by soils with $(N1)_{60}$ values 15 and greater do not experience significant displacements from earthquakes with magnitudes less than 8.

  Given the flat nature of the site, the limited liquefiable layers with $(N1)_{60}$ values less than 15, our recommended unsuitable soil removals (Section 6.1.2) and our foundation design recommendations (Section 7.1), it is our opinion that the potential for lateral spread to occur onsite is considered within design tolerances of the proposed foundation systems, upon the completion of remedial grading.

- **Settlement:**
  Settlement due to seismic shaking can occur as a result of both liquefaction of saturated sediments or rearrangement of dry sand particles. Our liquefaction analysis was performed utilizing blow count data and laboratory test results to analyze the potential amount of settlement. A description of Alta's analysis and calculations are presented in Appendix D of this report. A discussion of settlement analysis results is presented in Section 6.3. Dynamic settlement design recommendations are presented in Section 7.1.
- **Flow Failure:**
  Due to the relatively flat nature of the site, and the relatively horizontal deposition of the underlying deposits, the potential for flow failure onsite is considered minimal.

4.5.5 Dry Sand Settlement

Dry sand settlement is the process of non-uniform settlement of the ground surface during a seismic event. Based on our subsurface investigation and our removal/recompaction recommendations, the potential for dry sand settlement is anticipated to be low and within foundation design tolerances. Design dynamic settlement parameters are presented in Table 7-1.

5.0 ENGINEERING PROPERTIES AND ANALYSIS

5.1 Materials Properties

Presented herein is a general discussion of the engineering properties of the onsite materials that will be encountered during construction of the proposed project. Descriptions of the soil (Unified Soil Classification System) are presented on the boring logs in Appendix B.

5.1.1 Excavation Characteristics

Based on the data provided from the subsurface investigations, it is our opinion that the onsite materials possess favorable excavation characteristics such that conventional earth moving equipment can be utilized.

5.1.2 Compressibility

The upper portions of the young alluvial fan deposits onsite are considered compressible and unsuitable to support the proposed improvements. Recommended removal depths are presented in Section 6.1.2.

5.1.3 Moisture

The moisture content of the undocumented artificial fill and upper portions of alluvium that will require removal and recompaction as discussed in Section 6.1.2 is relatively high, as shown on the boring logs in Appendix B.

5.1.4 Hydro-Consolidation

Hydro-consolidation is the effect of introducing water into soil that is prone to collapse. Upon loading and initial wetting, the soil structure and apparent strength are altered resulting in almost immediate settlement. That settlement can have adverse impacts on engineered structures, particularly in areas where it is manifested differentially. Differential settlements are typically associated with differential wetting, irregularities in the subsurface soil conditions, or irregular loading patterns.

Based on our laboratory testing (Appendix C), there is minimal potential for hydro-collapse in the young alluvial fan deposits onsite.

5.1.5 Expansion Potential

Expansion index testing was performed on samples taken during our subsurface investigation. Based on the results, it is anticipated that the majority of materials onsite are "very low" to "medium" in expansion potential (0≤EI≤90, Appendix C) when tested per ASTM D: 4829.

5.1.6 Earthwork Adjustments

The values presented in Table 5-1 are deemed appropriate for estimating purposes and may be used in an effort to balance earthwork quantities. As is the case with every project, contingencies should be made to adjust the earthwork balance when grading is in-progress and actual conditions are better defined.

TABLE 5-1
Earthwork Adjustment Factors

Geologic Unit	Adjustment Factor Range	Average
Young Alluvial Fan Deposits	Shrink 12% to 16%	14%

5.1.7 Chemical Analyses

Chemical testing was performed on samples of material underlying the proposed site. Soluble sulfate test results indicate that the soluble sulfate concentrations of the soils tested are classified as negligible (Category S0) per ACI 318-14.

Chloride levels of 150 ppm were detected in the onsite soils. Based on laboratory results of soluble sulfate, chloride, and pH testing as presented in Appendix C, the onsite soils are classified as "non-corrosive" to buried metals and concrete (Caltrans, 2022). Additional discussions on corrosion are presented in Section 7.9. Corrosion tests results are presented in Appendix C.

5.2 Engineering Analysis

Presented below is a general discussion of the engineering analysis methods that were utilized to develop the conclusions and recommendations presented in this report.

5.2.1 Bearing Capacity and Lateral Earth Pressures

Ultimate bearing capacity values were obtained using the graphs and formula presented in NAVFAC DM-7.1. Allowable bearing was determined by applying a factor of safety of at least 3 to the ultimate bearing capacity. Static lateral earth pressures were calculated using Rankine methods for active and passive cases. If it is desired to use Coulomb forces, a separate analysis specific to the application can be conducted.

6.0 CONCLUSIONS AND RECOMMENDATIONS

Based on Alta's findings during our subsurface investigation, the laboratory test results, and our staff's previous experience in the area, it is Alta's opinion that the development of the site is feasible from a geotechnical perspective. Presented below are recommendations that should be incorporated into site development and construction plans.

6.1 Remedial Grading Recommendations

All grading shall be accomplished under the observation and testing of the project geotechnical consultant in accordance with the recommendations contained herein and the City of Garden Grove criteria.

6.1.1 Site Preparation

Significant amounts of vegetation, construction debris, and other deleterious materials are unsuitable as structural fill material and should be disposed of off-site prior to commencing grading/construction. Any septic tanks, seepage pits or wells should be abandoned as per the County of Orange Department of Health Services.

Existing concrete should be removed prior to the placement of engineered fill. The demolished concrete may be incorporated into compacted, engineered fills after it is crushed to a maximum size of six (6) inches. Prior to placement as engineered fill any protruding steel rebar should be cut from the concrete pieces and disposed of offsite.

Existing asphaltic concrete should be removed prior to the placement of engineered fill. From a geotechnical perspective, this material may be incorporated into compacted, engineered fills after it is crushed to a maximum size of six (6) inches. The crushed asphalt should not be placed under residential structures, but rather, it can be placed in approved non-residential areas, such as streets, parking areas or open space. These recommendations should be verified by the environmental consultant.

6.1.2 Unsuitable Soil Removals

The upper portions of young alluvial fan deposits are compressible and as such, are not suitable to support the proposed structures. As such, it is anticipated that, on average, the upper four (4) to five (5) feet of existing soils will require removal and recompaction, extending at a 1:1 projection horizontally outside the structures. This recommended removal combined with the foundation recommendations presented in Section 7.1 should provide suitable support for the proposed structures.

Footings for structures should be underlain by a minimum of three (3) feet of compacted fill. As such, for building pads where unsuitable soil removals do not provide the minimum depth of compacted fill, or where design grades and/or remedial grading activities create cut/fill transitions, the cut and shallow fill portions of the building pads should be over-excavated during grading and replaced with compacted fill.

The Project Geotechnical Consultant should observe the removal bottom prior to placing fill. If unsuitable soils are exposed upon the completion of the removals recommended above, additional removals may be required.

For fill areas in streets, in general, a minimum removal and recompaction of the upper two (2) feet is recommended, however all undocumented artificial fill shall be removed and recompacted. For cuts greater than two (2) feet in street areas, removals are not required so long as young alluvial fan deposits are exposed. For cuts less than two (2) feet, the two (2) foot removal and recompaction applies.

Material removed as part of the unsuitable soil removals can be used as artificial fill, provided it is free of deleterious materials.

6.2 General Earthwork Recommendations

6.2.1 Compaction Standards

All fill and processed natural ground shall be compacted to a minimum relative compaction of 90 percent, as determined by ASTM Test Method: D-1557. Fill material should be moisture conditioned to optimum moisture or above, and as generally discussed in Alta's Earthwork Specification Section presented in Appendix F. Compaction shall be achieved with the use of sheepsfoot rollers or similar kneading type

equipment. Mixing and moisture conditioning will be required in order to achieve the recommended moisture conditions.

6.2.2 Groundwater/Seepage

It is anticipated that groundwater may be encountered during construction, depending on excavation depths. Perched water conditions could be encountered depending on the time of year construction occurs.

6.2.3 Documentation of Removals

All removal/over-excavation bottoms should be observed and approved by the project Geotechnical Consultant prior to fill placement. Consideration should be given to surveying the removal bottoms and undercuts after approval by the geotechnical consultant and prior to the placement of fill. Staking should be provided in order to verify undercut locations and depths.

6.2.4 Treatment of Removal Bottoms

At the completion of removals/over-excavation, the exposed removal bottom should be ripped to a minimum depth of eight (8) inches, moisture-conditioned to above optimum moisture content and compacted in-place to the project standards.

If saturated conditions are encountered on removal bottoms, stabilization may be needed. The contractor should review the subsurface information to determine the most feasible/cost-effective methodology. The intention of stabilization is to establish a firm compaction base. Utilizing rock or concrete fragments may be utilized to stabilize the bottom. The rock should be “punched” into the bottom to provide densification. It is anticipated that at least eighteen (18) to twenty-four (24) inches of rock/fragments would be required to stabilize

the bottom. Alternatively, placement of a geogrid along the removal bottom, followed by a layer of crushed rock/base over the grid is feasible. The strips of geotextile should overlap a minimum of 12-inches. Crushed concrete from the demolition of the existing structures may be used for stabilization purposes.

6.2.5 Fill Placement

After removals, scarification, and compaction of in-place materials are completed, additional fill may be placed. Fill should be placed in eight-inch bulk maximum lifts, moisture conditioned to optimum moisture content or above, compacted and tested as grading/construction progresses until final grades are attained.

6.2.6 Moisture Content

The moisture content of the upper in-situ soils is above optimum, as shown on the boring logs in Appendix B. The contractor shall take this into account when determining the most appropriate method for fill placement. The soils below 5-feet are near saturation. As such, these soils may need to be dried out before reusing them as engineered fill.

6.2.7 Mixing

Mixing of materials may be necessary to prevent layering of different soil types and/or different moisture contents. The mixing should be accomplished prior to and as part of compaction of each fill lift.

6.2.8 Import Soils

Import soils, if necessary, should consist of clean, structural quality, compactable materials similar to the on-site soils and should be free of trash, debris, or other objectionable materials. The project Geotechnical Consultant should be notified not less than 72 hours in advance of the locations of any soils proposed for import. Import sources should be

sampled, tested, and approved by the project Geotechnical Consultant at the source prior to the importation of the soils to the site. The project Civil Engineer should include these requirements on plans and specifications for the project.

6.2.9 Utility Trenches

6.2.9.1 Excavation

Utility trenches should be supported, either by laying back excavations or shoring, in accordance with applicable OSHA standards. In general, existing site soils are classified as Soil Type “B” and "C" per OSHA standards. Upon completion of the recommended removals and recompaction, the artificial fill will be classified as Soil Type "B". The Project Geotechnical Consulting should be consulted if geologic conditions vary from what is presented in this report.

6.2.9.2 Backfill

Trench backfill should be compacted to at least 90 percent of maximum dry density as determined by ASTM D-1557. Onsite soils will not be suitable for use as bedding material but will be suitable for use in backfill provided oversized materials are removed. No surcharge loads should be imposed above excavations. This includes spoil piles, lumber, concrete trucks, or other construction materials and equipment. Drainage above excavations should be directed away from the banks. Care should be taken to avoid saturation of the soils. Compaction should be accomplished by mechanical means. Jetting of native soils will not be acceptable.

Under-slab trenches should also be compacted to project specifications. If select granular backfill (SE > 30) is used, compaction by flooding will be acceptable.

Groundwater should be expected at approximately 10-feet. Localized de-watering (pumps) may be needed to construct deeper utilities. In areas where groundwater is encountered, it is recommended to utilize gravel/crushed rock as backfill in the saturated zone.

6.2.10 <u>Backcut Stability</u>

Temporary backcuts, if required during unsuitable soil removals, should be made no steeper than 1:1 without review and approval of the geotechnical consultant. Flatter backcuts may be necessary where geologic conditions dictate and where minimum width dimensions are to be maintained.

Care should be taken during remedial grading operations in order to minimize risk of failure. Should failure occur, complete removal of the disturbed material will be required.

In consideration of the inherent instability created by temporary construction backcuts for removals, it is imperative that grading schedules are coordinated to minimize the unsupported exposure time of these excavations. Once started, these excavations and subsequent fill operations should be maintained to completion without intervening delays imposed by avoidable circumstances. In cases where five-day workweeks comprise a normal schedule, grading should be planned to avoid exposing at-grade or near-grade excavations through a non-work weekend. Where improvements may be affected by temporary

instability, either on or offsite, further restrictions such as slot cutting, extending workdays, implementing weekend schedules, and/or other requirements considered critical to serving specific circumstances may be imposed.

6.3 Liquefaction

As discussed in Section 4.5.4 of this report, there is a potential for liquefaction to occur at the site during seismic shaking. More specifically, liquefaction could cause differential settlement. Typically, half to two thirds of that settlement should be considered differential (California Division of Mines and Geology, 2008, Special Publication 117a). If the analysis is based on multiple borings, seismic induced differential settlement may be determined as one-half the total settlement (City of Los Angeles, 2020). For lightly loaded, well-constructed structures underlain by a non-liquefiable layer over the liquefiable layers, such as will be developed at the site, the ultimate differential settlement across the structure may be more limited (Idriss and Boulinger, 2008).

In consideration of the proposed removal and recompaction of the soils below the proposed structures, the differential settlement shown in the liquefaction calculations, and the relatively uniform thickness of the liquefiable layers under the site, it is Alta's opinion that a dynamic differential settlement of 1.5-inches in 40 feet can be utilized in the design of the proposed structures onsite. It is recommended that the structures onsite be supported on a post-tensioned slab/foundation or mat slab system. As design of the project progresses, an additional investigation with a CPT rig should be considered to refine the design settlement.

6.4 Storm Water Infiltration Systems

From a geotechnical perspective, allowing storm water to infiltrate the onsite soil in concentrated areas increases the potential for settlement, liquefaction, and water-related damage to structures/improvements, such as wet slabs or pumping subgrade, and should be avoided where possible. If infiltration systems are required on this site, care should be taken in designing systems that control the storm water as much as possible.

Preliminary infiltration testing was conducted at the site as part of this investigation, and the methodology is discussed in 3.2. The resulting infiltration rates for P-1 and P-2 were calculated to be 0.1-inches per hour. The results do not include a factor of safety.

Groundwater was encountered during our investigation at a depth of 13.75 and 13.25 feet below the ground surface in borings B-1 and B-2, respectively. The historic high ground water is approximately 10 feet below the ground surface (CGS, 1997).

Based on our observations and testing, the upper soils are comprised of very fine to fine grained sandy silts in a moist to wet condition that exhibit relatively low infiltration rates. The WQMP designer should review the test results and determine if the proposed BMP system is appropriate for the site. The Project Geotechnical Consultant should review the final WQMP design prior to construction.

6.5 Boundary Conditions

The site is bounded to the west, east, and south by residential structures, to the north by two churches, and to the southeast by Bixby Street/Santa Barbara Avenue. Construction of retaining/screen walls along these boundaries may require additional geotechnical recommendations concerning unsuitable soil removals and foundation design parameters. Boundary conditions for the project should be reviewed by the Project Geotechnical Consultant as the design progresses.

7.0 DESIGN CONSIDERATIONS

7.1 Structural Design

It is anticipated that multi-story wood-framed residential structures with slab on-grade and shallow foundations will be constructed. Upon the completion of rough grading, finish grade samples should be collected and tested in order to provide specific recommendations as they relate to the individual building pads. These test results and corresponding design recommendations should be presented in a final rough grading report. Final slab and foundation design recommendations should be made based upon specific structure sitings, loading conditions, and as-graded soil conditions.

It is anticipated that the majority of onsite soils will possess “very low” to “medium” expansion potential when tested in general accordance with ASTM Test Method D: 4829. For budgeting purposes, the following foundation design requirements for a range of potential expansion characteristics are presented. Due to the potential for dynamic settlement onsite, it is recommended to utilize post-tensioned or mat slabs for this project (Per Section 12.13.9 of ASCE 7-16, a shallow foundation with ties, integral slab, or mat, designed for the stated settlement).

7.1.1 Foundation Design

Foundations may be preliminary designed based on the values presented in Table 7-1 below.

Table 7-1
Foundation Design Parameters*

Allowable Bearing	2000 lbs/ft^2 (assuming a minimum embedment depth and width of 12 inches)
Lateral Bearing	250 lbs/ft^2 at a depth of 12 inches plus 250 lbs/ft^2 for each additional 12 inches of embedment to a maximum of 2000 lbs/ft^2.
Sliding Coefficient	0.30
Settlement	Static Settlement – 0.5 inch in 40 feet Dynamic Settlement – 1.5 inches in 40 feet

*These values may be increased as allowed by Code to resist transient loads such as wind or seismic. Building code and structural design considerations may govern depth and reinforcement requirements and should be evaluated.

7.1.2 Post-Tensioned Slabs/Foundation Design Recommendations

Post-tensioned slabs for the project may be designed utilizing the parameters presented in Tables 7-1 and 7-2. The parameters presented herein are based on methodology provided in the Design of Post-Tensioned Slabs-On-Ground, Third Edition, by the Post-Tensioning Institute, in accordance with the 2022 CBC.

TABLE 7-2 POST-TENSION SLAB DESIGN PARAMETERS						
Category	**Expansion Potential**	**Minimum Embedment***	**Edge Lift**		**Center Lift**	
			Em (ft)	**Ym (inch)**	**Em (ft)**	**Ym (inch)**
I	Very Low to Low	12 inches	5.4	0.61	9.0	0.26
II	Medium	18 inches*	5.0	1.10	9.0	0.46
Slab Subgrade Moisture						
Category I		Minimum 110% of optimum moisture to a depth of 12 inches prior to pouring concrete				
Category II		Minimum 120% of optimum moisture to a depth of 12 inches prior to pouring concrete				
Embedment*						
The minimum footing embedments presented herein are based on expansion indexes. The structural engineer should determine minimum embedments based on the number of floors supported by the footings, the structural loading, and the requirements of the latest California Building Code. If mat slabs are utilized, alternate embedment depths can be provided.						
Moisture Barrier						
A moisture barrier should be provided in accordance with the recommendations presented in Section 7.2						
The parameters presented herein are based on procedures presented in the Design of Post-Tensioned Slabs-On-Ground, Third Edition. No corrections for vertical barriers at the edge of the slab, or for adjacent vegetation have been assumed. The design parameters are based on a Constant Suction Value of 3.9 pF.						

7.2 Moisture Barrier

A moisture and vapor retarding system should be placed below the slabs-on-grade in portions of the structure considered to be moisture sensitive and should be capable of effectively preventing the migration of water and reducing the transmission of water vapor to acceptable levels. Historically, a 10-mil plastic membrane, such as Visqueen, placed between two to four inches of clean sand, has been used for this purpose. The use of this system or other systems can be considered, at the discretion of the designer, provided the system reduces the vapor transmission rates to acceptable levels.

7.3 Seismic Design

The site class was determined based on the referenced reports and published geologic maps in the area in general conformance with Chapter 20 of ASCE 7-16. There is a potential for liquefaction onsite which would result in a Site Class of F. However, it is assumed that the proposed structures onsite will have a fundamental period of vibration equal to or less than 0.5s. As such, per Section 20.3.1 of ASCE 7-16, a Site Class of D may be utilized for the onsite soils. The structural engineer shall verify the fundamental period of vibration of the proposed structures.

The seismic design parameters were calculated using a program based on the ASCE Hazard tool and ASCE 7-16 procedures. The resulting values are presented in Table 7-3. These values are applicable provided the exceptions presented in Supplements 2 and 3 of ASCE 7-16 are utilized in the design of the structure. If the design does not include the exception methodology, then a site-specific analysis shall be conducted.

TABLE 7-3 Seismic Ground Motion Values 2022 CBC and ASCE 7-16	
Parameter	*Value*
Site Class	D (assuming structures fundamental period of vibration is equal to or less than 0.5s)
Site Latitude	33.7912
Site Longitude	-118.0316
Spectral Response Acceleration Parameter, S_S	1.446
Spectral Response Acceleration Parameter, S_1	0.514
Site Coefficient, F_a	1.0
Site Coefficient, F_v	1.8
MCE Spectral Response Acceleration Parameter, S_{MS}	1.446
MCE Spectral Response Acceleration Parameter, S_{M1}	0.925
Design Spectral Response Acceleration Parameter, S_{DS}	0.964
Design Spectral Response Acceleration Parameter, S_{D1}	0.627
Peak Ground Acceleration, PGA_M	0.75

7.4 Fence and Garden Walls

Block walls, if used, should be embedded a minimum of 2 feet below the lowest adjacent grade. Construction joints (not more than 20 feet apart) should be included in the block wall construction. Side yard walls should be structurally separated from the rear yard wall.

7.5 Footing Excavations

Soils from the footing excavations should not be placed in slab-on-grade areas unless properly compacted and tested. The excavations should be cleaned of all loose/sloughed materials and be neatly trimmed at the time of concrete placement. The Project Geotechnical Consultant should observe the footing

excavations prior to the placement of concrete to determine that the excavations are founded in suitably compacted material.

7.6 Retaining Walls

Retaining walls should be founded on engineered fill and should be backfilled with granular soils that allow for drainage behind the wall. Foundations may be designed in accordance with the recommendations presented in Table 7-1, above. Unrestrained walls, free to horizontally move 0.0005H (for dense cohesionless backfill), may be designed to resist lateral pressures imposed by a fluid with a unit weight determined in accordance with the Table 7-4 below. The table also presents design parameters for restrained (at-rest) retaining walls. These parameters may be used to design retaining walls that may be considered as restrained due to the method of construction or location (corner sections of unrestrained retaining walls).

TABLE 7-4
Equivalent Fluid Pressures for 90% Compacted Fill (Select Material)

Backfill	Active Pressure (psf/ft)	At-Rest Pressure (psf/ft)
Level	35	55

Per the requirements of the 2022 CBC, the seismic force acting on the retaining walls with backfill exceeding 6-feet in height may be resolved utilizing the formula $14H^2$ lb/lineal ft (H=height of the wall). This force acts at approximately 0.6H above the base of the wall. The seismic value can be converted as required by the retaining wall engineer. Retaining walls should be designed in general accordance with Section 1807A.2 of the 2022 CBC.

- Restrained retaining walls should be designed for “at-rest” conditions.
- The design loads presented in the above table are to be applied on the retaining wall in a horizontal fashion and as such friction between wall and retained soils should not be allowed in the retaining wall analyses.

- Additional allowances should be made in the retaining wall design to account for the influence of construction loads, temporary loads, and possible nearby structural footing loads.
- Select backfill should be granular, structural quality backfill with a Sand Equivalent of 20 or better and an ASCE Expansion Index of 20 or less. The backfill must encompass the full active wedge area. The upper one foot of backfill should be comprised of native on-site soils (see Plate A).
- The wall design should include waterproofing (where appropriate) and backdrains or weep holes for relieving possible hydrostatic pressures. The backdrain should be comprised of a 4-inch perforated PVC pipe in a 1 ft. by 1 ft., ¾-inch gravel matrix, wrapped with a geofabric. The backdrain should be installed with a minimum gradient of 2 percent and should be outletted to an appropriate location. For subterranean walls this may include drainage by sump pumps.
- No backfill should be placed against concrete until minimum design strengths are achieved.

It should be noted that the allowable bearing and lateral bearing values presented in Table 7-1 are based on level conditions at the toe. Modified design parameters can be presented for retaining walls with sloping condition at the toe. Other conditions should be evaluated on a case-by-case basis.

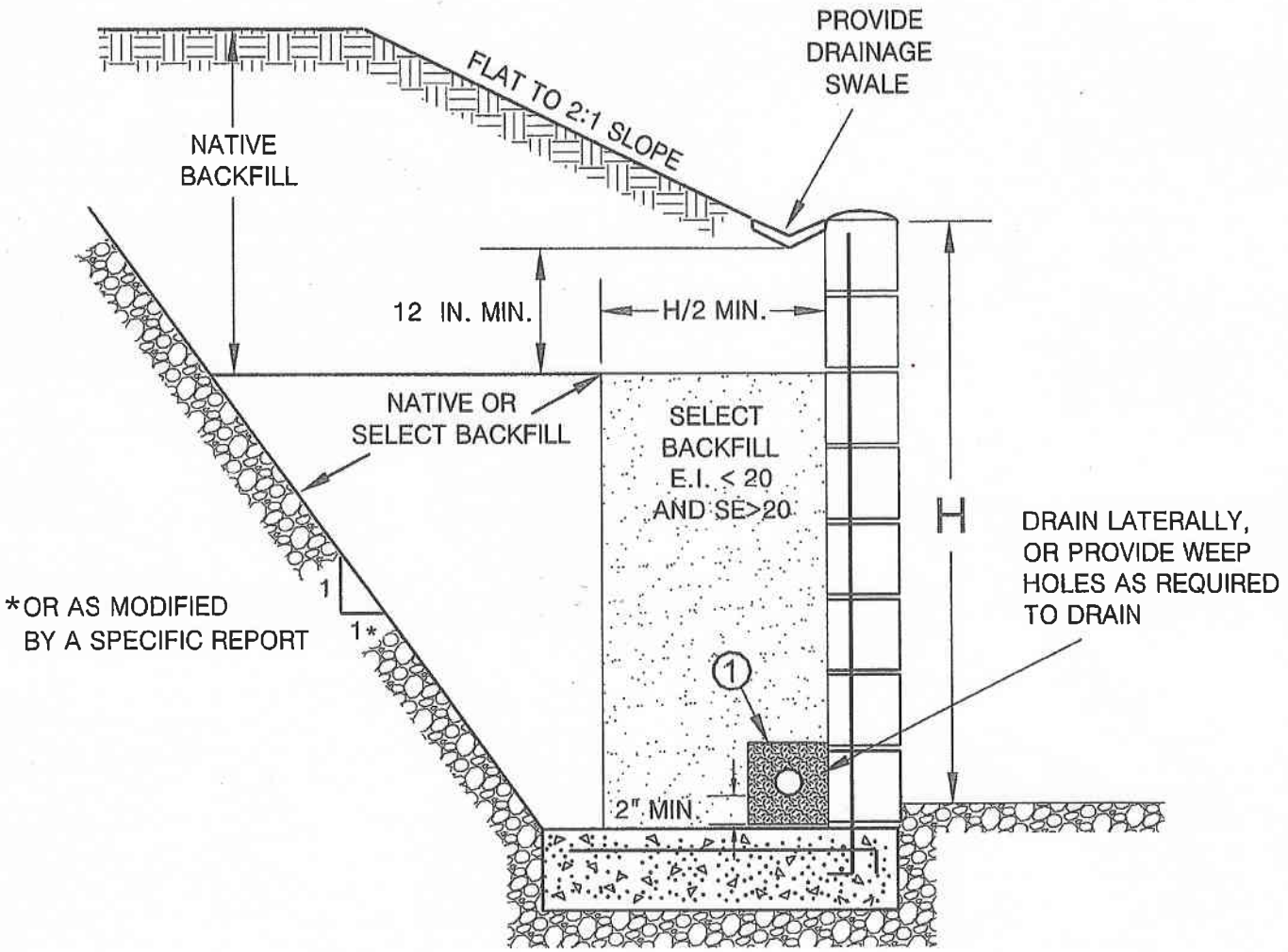
7.7 Exterior Slabs and Walkways

Exterior concrete slabs and walkways should be designed and constructed in consideration of the following recommendations.

7.7.1 Subgrade Compaction

The subgrade below exterior concrete slabs should be compacted to a minimum of 90 percent relative compaction as determined by ASTM Test Method: D 1557.

RETAINING WALL BACKFILL DETAIL



(1)

PIPE: 4-INCH PERFORATED PVC, SCHEDULE 40, SDR35 OR APPROVED ALTERNATE MINIMUM 8 PERFORATIONS (1/4-IN. DIA.) PER LINEAL FT. IN BOTTOM HALF OF PIPE

ROCK: MINIMUM VOLUME OF 1 CU. FT. OF 3/4-IN. MAX. ROCK PER. LINEAL FOOT OF PIPE, OR APPROVED ALTERNATE

FILTER FABRIC: MIRAFI 140 FILTER FABRIC OR APPROVED EQUIVALENT

ALTA CALIFORNIA GEOTECHNICAL, INC.
VER. 1/10

PLATE A

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7.7.2 Subgrade Moisture

The subgrade below concrete slabs should be moisture conditioned to a minimum of 110 percent of optimum moisture (low expansion) prior to concrete placement or 120 percent of optimum moisture (medium expansion) prior to concrete placement.

7.7.3 Concrete Slab Thickness

Concrete flatwork and driveways should be designed utilizing four-inch minimum thickness.

7.7.4 Concrete Slab Reinforcement

Utilization of reinforcement for flatwork and driveways is subject to a cost/benefit analysis. Reinforcement will decrease the amount of cracking that may occur in flatwork, however, planning for occasional repairs may be more cost effective. Utilizing closely spaced control joints is likely more cost-effective than utilizing reinforcement. The majority of the soils onsite are classified as very low to medium in expansion potential. Consideration should be given to reinforcing flatwork with irregular (non-square/rectangular) shapes or flatwork underlain by medium expansive soils. Reinforcement may consist of 6x6 W.14/W1.4 welded wire mesh or an equivalent section of rebar.

7.7.5 Control Joints

Weakened plane joints should be installed on walkways at intervals of approximately eight feet (maximum) or less. Exterior slabs should be designed to withstand shrinkage of the concrete.

7.8 Concrete Design

As stated in Section 5.1.7, negligible concentrations of sulfates were detected in the onsite soils (Class S0). Therefore, the use of sulfate resistant concrete is not required per ACI 318-14 at this time. Post-grading conditions should be evaluated, and final recommendations made at that time.

7.9 Corrosion

Based on preliminary testing, the onsite soils are moderately corrosive to buried metal objects. Buried ferrous metals should be protected against the effects of corrosive soils in accordance with the manufacturer's recommendations. Typical measures may include using non-corrosive backfill, protective coatings, wrapping, plastic pipes, or a combination of these methods. A corrosion engineer should be consulted if specific design recommendations are required by the improvement designer.

Per ACI 318-14, an exposure class of C1 would be applicable to metals encased in concrete (rebar in footings) due to being exposed to moisture from surrounding soils. Per Table 19.3.2.1 of ACI 318-14, the requirements for concrete with an exposure class of C1 are a minimum compressive strength of 2500 psi and a maximum water-soluble chloride ion content in concrete of 0.30 (percent by weight of cement).

7.10 Pavement Design

Pavement sections for the proposed streets shall be designed based on laboratory testing conducted on samples taken from the soil subgrade. Preliminarily, based on an assumed R-Value of 20, the pavement may be designed utilizing the sections presented in Table 7-5. These sections should be verified upon the completion of grading, based on R-Value testing. The ultimate pavement section design for public streets is under the City of Garden Grove's purview.

Table 7-5 Preliminary Pavement Sections		
Traffic Index	Pavement Section Options OR	
5.0	3-inch AC on 7-inch AB	4-inch AC on 5-inch AB
5.5	3-inch AC on 9-inch AB	4-inch AC on 7-inch AB
6.0	3.5-inch AC on 9.5-inch AB	4-inch AC on 8.5-inch AB
AC-Asphalt Concrete AB-Caltrans Class II Base		

Construction of the streets should be accomplished in accordance with the current criteria of the City of Garden Grove. Prior to the placement of base material, the subgrade should be suitably moisture conditioned, processed and compacted to a minimum 95 percent of the laboratory maximum density (ASTM: D 1557) to at least twelve (12) inches below subgrade. After subgrade compaction, the exposed grade should then be "proof"-rolled with heavy equipment to ensure the grade does not "pump" and is verified as non-yielding. Aggregate base material should be placed on the compacted subgrade and compacted in-place to a minimum 95 percent of the laboratory standard obtained per ASTM: D 1557.

7.11 Site Drainage

Positive drainage away from the proposed structures should be provided and maintained. Roof, pad, and lot drainage should be collected and directed away from the structures toward approved disposal areas through drainage terraces, gutters, down drains, and other devices. Design fine grade elevations should be maintained through the life of the structure or if design fine grade elevations are altered, adequate area drains should be installed in order to provide rapid discharge of water, away from structures.

8.0 LOT MAINTENANCE

Ongoing maintenance of the improvements is essential to the long-term performance of structures. As such, the owners must implement certain maintenance procedures. The attached " Maintenance and Improvement Considerations" presented in the Appendix E may be included as part of the sales packet to educate the owners in issues related to drainage, maintenance, improvements, etc. The following recommendations should also be implemented.

8.1 Lot Drainage

Roof, pad, and lot drainage should be collected and directed away from structures and slopes and toward approved disposal areas. Design fine grade elevations should be maintained throughout the life of the structure or if design fine grade elevations are altered, adequate area drains should be installed in order to provide rapid discharge of water, away from structures and slopes. Residents should be made aware that they are responsible for maintenance and cleaning of all drainage terraces, down drains, and other devices that have been installed to promote structure and slope stability.

8.2 Burrowing Animals

Owners should undertake a program for the elimination of burrowing animals.

9.0 FUTURE PLAN REVIEWS

This report represents a geotechnical review of the site. As the project design for the project progresses, site specific geologic and geotechnical issues should be considered in the design and construction of the project. Consequently, future plan reviews may be necessary. These reviews may include reviews of:

- Grading Plans
- Foundation Plans
- Utility Plans

These plans should be forwarded to the project Geotechnical Consultant for review.

10.0 CLOSURE

10.1 Geotechnical Review

For the purposes of this report, multiple working hypotheses were established for the project, utilizing the available data and the most probable model is used for the analysis. Future information collected during the proposed grading operations is intended to evaluate the hypothesis and as such, some of the assumptions summarized in this report may need to be changed. Some modifications of the grading recommendations may become necessary, should the conditions encountered in the field differ from the conditions hypothesized in this report.

Plans and sections of the project specifications should be reviewed by Alta to evaluate conformance with the intent of the recommendations contained in this report. If the project description or final design varies from that described in herein, Alta must be consulted regarding the applicability of the recommendations contained herein and whether any changes are required. Alta accepts no liability for any use of its recommendations if the project description or final design varies and Alta is not consulted regarding the alterations.

10.2 Limitations

This report is based on the following: 1) the project as presented on the attached plan; 2) the information obtained from Alta's laboratory testing included herein; and 3) from the information presented in the referenced reports. The findings and recommendations are based on the results of the subsurface investigation, laboratory testing, and office analysis combined with an interpolation and extrapolation of conditions between and beyond the subsurface excavation locations. However, the materials adjacent to or beneath those observed may have different characteristics than those observed, and no precise representations are made as to the quality or extent of the materials not

observed. The results reflect an interpretation of the direct evidence obtained. Work performed by Alta has been conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the geotechnical profession currently practicing in the same locality under similar conditions. No other representation, either expressed or implied, and no warranty or guarantee is included or intended.

The recommendations presented in this report are based on the assumption that an appropriate level of field review will be provided by a geotechnical consultant who is familiar with the design and site geologic conditions. That field review shall be sufficient to confirm that geotechnical and geologic conditions exposed during grading are consistent with the geologic representations and corresponding recommendations presented in this report.

The conclusions and recommendations included in this report are applicable to the specific design of this project as discussed in this report. They have no applicability to any other project or to any other location and any and all subsequent users accept any and all liability resulting from any use or reuse of the data, opinions, and recommendations without the prior written consent of Alta.

Alta has no responsibility for construction means, methods, techniques, sequences, procedures, safety precautions, programs in connection with the construction, acts or omissions of the CONTRACTOR or any other person performing any of the construction, or for the failure of any of them to carry out the construction in accordance with the final design drawings and specifications.

APPENDIX A

REFERENCES

APPENDIX A

Selected References

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APPENDIX B

Subsurface Investigation

APPENDIX B

Subsurface Investigation

Alta's subsurface investigation consisted of excavating, logging, and sampling three (3) hollow-stem auger borings. Details of the subsurface investigation are presented in Table B. The approximate location of the exploratory excavation is shown on the accompanying Plate 1 and the Geotechnical Logs are attached.

TABLE B
SURFACE INVESTIGATION DETAILS

Equipment	Range of Depths	Sampling Methods	Sample Locations
Hollow-stem auger	Up to 51.5 feet	1. Bulk 2. Ring Samples 3. SPT Samples	1. Bulk-Select Depths 2. Rings-Every 2.5 feet or 5 Feet 3. SPT-At Depths Below 20 Feet

UNIFIED SOIL CLASSIFICATION SYSTEM

Major Divisions		grf	ltr	Description
Coarse Grained Soils More than 50% retained on No. 200 sieve	Gravel and Gravelly Soils More than 50% of coarse fraction retained on No,. 4 sieve		GW	Well-graded gravels or gravel sand mixtures, little or no fines
			GP	Poorly-graded gravels or gravel sand mixture, little or no fines
			GM	Silty gravels, gravel-sand-silt mixtures
			GC	Clayey gravels, gravel-sand-clay mixtures
	Sand and Sandy Soils More than 50% of coarse fraction passes on No,. 4 sieve		SW	Well-graded sands or gravelly sands, little or no fines
			SP	Poorly-graded sands or gravelly sands, little or no fines
			SM	Silty sands, sand-silt mixtures
			SC	Clayey sands, and-clay mixtures

Major Divisions		grf	ltr	
Fine Grained Soils More than 50% passes on No. 200 sieve	Silts And Clays LL,<50		ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity
			CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays
			OL	Organic silts and organic silt-clays of low plasticity
	Silts And Clays LL,<50		MH	Inorganic silts, micaceous or diatomaceous fine or silty soils, elastic silts
			VH	Inorganic clays of high plasticity, fat clays
			OH	Organic clays of medium to high plasticity
Highly Organic Soils			PT	Peat and other highly organic soils

BOUNDARY CLASSIFICATION: Soils possessing characteristics of two groups are designated by combinations of group symbols.

PARTICLE SIZE LIMITS

U.S. STANDARD SERIES SIEVE: 200, 40, 10, 4

CLEAR SQUARE SIEVE OPENINGS: 3/4", 3", 12"

Silts and Clays	Sand			Gravel		Cobbles	Boulders
	Fine	Medium	Coarse	Fine	Coarse		

RELATIVE DENSITY

Sands and Gravels	Blows/Foot (SPT)
Very Loose	<4
Loose	4-10
Medium Dense	11-30
Dense	31-50
Very Dense	>50

CONSISTENCY CLASSIFICATION

Silts and Clays	Criteria
Very Soft	Thumb penetrates soil >1 in.
Soft	Thumb penetrates soil 1 in.
Firm	Thumb penetrates soil 1/4 in.
Stiff	Readily indented with thumbnail
Very Stiff	Thumbnail will not indent soil

HARDNESS

Bedrock
Soft
Moderately Hard
Hard
Very Hard

LABORATORY TESTS

Symbol	Test
DS	Direct Shear
DSR	Direct Shear (Remolded)
CON	
SA	Sieve Analysis
MAX	Maximum Density
RV	Resistance (R) Value
EI	Expansion Index
SE	Sand Equivalent
AL	Atterberg Limits
CHEM	Chemical Analysis
HY	Hydrometer Analysis

SOIL MOISTURE

Increasing Visual Moisture Content

Dry - Dry to touch

Moist - Damp, but no visible free water

wet - Visible free water

SIZE PROPORTIONS

Trace - <5%

Few - 5 to 10%

Some - 15 to 25%

KEY TO EXPLORATORY BORING LOGS

ALTA CALIFORNIA GEOTECHNICAL INC.

PLATE B

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0506	PROJECT NAME	5802 Santa Catalina		
DATE STARTED	12/21/23	GROUND ELEV.	30	BORING DESIG.	B-1
DATE FINISHED	12/21/23	GW DEPTH (FT)	14	LOGGED BY	YH
DRILLER	2R	DRIVE WT.	140 lbs	NOTE	
TYPE OF DRILL RIG	8" Hollow Stem Auger	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
	30				SM	**ASPHALT**, 3' asphaltic concrete, no aggregate base. **YOUNGER ALLUVIAL FAN DEPOSITS**(Qyf): SILTY SAND, very fine to fine grained, brown, moist, medium dense.				
		R	10				22.9	93	77	
5	25	R	10			@5.0 ft. trace clay.	26.4	94	93	CON, HY
10	20	R	8		ML	@10.0 ft. SANDY SILT, brown, wet, firm, trace orange mottling.	29.6	90	93	
						@13.75 ft. groundwater encountered.				
15	15	R	6			@15.0 ft. brown gray, moist, some orange mottling.	27.3	96	99	
20	10	R	11			@20.0 ft. stiff.	27.4	93	94	
25	5	S	1/3/3			@25.0 ft. green gray, firm, some clay.				HY
30	0	S	2/6/5			@30.0 ft. gray, moist, sitff.				HY
35	-5	S	3/5/5		SM	@35.0 ft. SILTY SAND, fine to medium grained, tan gray, moist, medium dense, some clay.				
						Continued;				
	-10									

SAMPLE TYPES:
- R RING (DRIVE) SAMPLE
- S SPT (SPLIT SPOON) SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE

GROUNDWATER
SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0506 PLATE B-1

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0506	PROJECT NAME	5802 Santa Catalina		
DATE STARTED	12/21/23	GROUND ELEV.	30	BORING DESIG.	B-1
DATE FINISHED	12/21/23	GW DEPTH (FT)	14	LOGGED BY	YH
DRILLER	2R	DRIVE WT.	140 lbs	NOTE	
TYPE OF DRILL RIG	8" Hollow Stem Auger	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
	-10	S	10/11/15			Continued; **YOUNGER ALLUVIAL FAN DEPOSITS**(Qyf): SAND, fine to medium grained, tan gray, moist, medium dense, some clay.				
45	-15	S	8/11/12							
50	-20	S	3/6/14			@50.0 ft. trace clay.				
						TOTAL DEPTH 51.5 FEET GROUNDWATER ENCOUNTERED AT 13.75 FEET NO CAVING OBSERVED				

SAMPLE TYPES:
- R RING (DRIVE) SAMPLE
- S SPT (SPLIT SPOON) SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE

GROUNDWATER
SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0506 PLATE B-1

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0506	PROJECT NAME	5802 Santa Catalina		
DATE STARTED	12/21/23	GROUND ELEV.	30	BORING DESIG.	B-2
DATE FINISHED	12/21/23	GW DEPTH (FT)	13	LOGGED BY	YH
DRILLER	2R	DRIVE WT.	140 lbs	NOTE	
TYPE OF DRILL RIG	8" Hollow Stem Auger	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
	30				SM	**ASPHALT**, 3' asphaltic concrete, no aggregate base. **YOUNGER ALLUVIAL FAN DEPOSITS**(Qyf): SILTY SAND, very fine to fine grained, brown, slightly moist, loose.				
		R	8				27.0	90	86	
5	25	R	10		ML	@5.0 ft. SANDY SILT, brown, slightly moist, firm, some clay.	23.9	97	89	MAX, EI, HY, CHEM
10	20	R	6			@10.0 ft. moist.	30.8	91	99	CON, HY
						@13.25 ft. groundwater encountered.				
15	15	R	13		SM	@15.0 ft. SILTY SAND, very fine to fine grained, brown, moist, medium dense.	25.9	96	94	
20	10	R	24			@20.0 ft. slightly moist, some clay.	24.5	98	93	HY
25	5	S	9/14/23		ML	@25.0 ft. SANDY SILT, tan gray, slightly moist, stiff.				HY
30	0	S	5/7/5			@30.0 ft. firm.				
35	-5	S	9/11/9		SP	@35.0 ft. SAND, fine grained, gray, slightly moist, medium dense.				
	-10					Continued;				

SAMPLE TYPES:
- R RING (DRIVE) SAMPLE
- S SPT (SPLIT SPOON) SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE

GROUNDWATER
SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0506 PLATE B-2

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0506	PROJECT NAME	5802 Santa Catalina		
DATE STARTED	12/21/23	GROUND ELEV.	30	BORING DESIG.	B-2
DATE FINISHED	12/21/23	GW DEPTH (FT)	13	LOGGED BY	YH
DRILLER	2R	DRIVE WT.	140 lbs	NOTE	
TYPE OF DRILL RIG	8" Hollow Stem Auger	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
	-10	S	4/9/14		SM	Continued; **YOUNGER ALLUVIAL FAN DEPOSITS**(Qyf): SILTY SAND, fine grained, gray, wet, medium dense.				
45	-15	S	11/12/14		SP	@45.0 ft. SAND, fine to medium grained, brown, slightly moist, medium dense.				
50	-20	S	12/27/40			@50.0 ft. some silt.				
						TOTAL DEPTH 51.5 FEET GROUNDWATER ENCOUNTERED AT 13.25 FEET NO CAVING OBSERVED				

SAMPLE TYPES:
- R RING (DRIVE) SAMPLE
- S SPT (SPLIT SPOON) SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE

GROUNDWATER
SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0506 PLATE B-2

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0506	PROJECT NAME	5802 Santa Catalina		
DATE STARTED	12/21/23	GROUND ELEV.	30	BORING DESIG.	P-1
DATE FINISHED	12/21/23	GW DEPTH (FT)		LOGGED BY	YH
DRILLER	2R	DRIVE WT.	140 lbs	NOTE	
TYPE OF DRILL RIG	8" Hollow Stem Auger	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
	30				SP	**ASPHALT**, 3' asphaltic concrete, no aggregate base **YOUNGER ALLUVIAL FAN DEPOSITS**(Qyf): SAND, fine to medium grained, brown, slightly moist, medium dense.				
5	25				SM	@5.0 ft. SILTY SAND, fine grained, brown, slightly moist, medium dense. TOTAL DEPTH 5.0 FEET NO GROUNDWATER ENCOUNTERED NO CAVING OBSERVED				

SAMPLE TYPES:
- R RING (DRIVE) SAMPLE
- S SPT (SPLIT SPOON) SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE

GROUNDWATER
SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0506 PLATE B-3

GEOTECHNICAL BORING LOG

PROJECT NO.	1-0506	PROJECT NAME	5802 Santa Catalina		
DATE STARTED	12/21/23	GROUND ELEV.	30	BORING DESIG.	P-2
DATE FINISHED	12/21/23	GW DEPTH (FT)		LOGGED BY	YH
DRILLER	2R	DRIVE WT.	140 lbs	NOTE	
TYPE OF DRILL RIG	8" Hollow Stem Auger	DROP	30 in.		

DEPTH (Feet)	ELEV	SAMPLE TYPE	BLOWS	LITHOLOGY	GROUP SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONT (%)	DRY (pcf) DENSITY	SAT-URATION (%)	OTHER TESTS
	30				SM	**ASPHALT**, 3' asphaltic concrete, no aggregate base				
						YOUNGER ALLUVIAL FAN DEPOSITS(Qyf): SILTY SAND, very fine to fine grained, brown, slightly moist, medium dense.				
5	25					@5.0 ft. fine grained, wet.				
						TOTAL DEPTH 5.0 FEET NO GROUNDWATER ENCOUNTERED NO CAVING OBSERVED				

SAMPLE TYPES:
- R RING (DRIVE) SAMPLE
- S SPT (SPLIT SPOON) SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE

GROUNDWATER
SEEPAGE
J: JOINTING C: CONTACT
B: BEDDING F: FAULT
S: SHEAR RS: RUPTURE SURFACE

Alta California Geotechnical, Inc.

P.N. 1-0506 PLATE B-4

APPENDIX C

Laboratory Testing

LABORATORY TESTING

The following laboratory tests were performed on a representative sample in accordance with the applicable latest standards or methods from the ASTM, California Building Code (CBC) and California Department of Transportation.

Classification

Soils were classified with respect to the Unified Soil Classification System (USCS) in accordance with ASTM D-2487 and D-2488.

Particle Size Analysis

Modified hydrometer testing was conducted to aid in classification of the soil. The results of the particle size analysis are presented in Table C.

Maximum Density/Optimum Moisture

The maximum dry density and optimum moisture content of one representative bulk samples were evaluated in accordance with ASTM D-1557. The results are summarized in Table C.

Expansion Index Tests

One (1) expansion index test was performed to evaluate the expansion potential of typical on-site soil. Testing was carried out in general conformance with ASTM Test Method D-4829. The results are presented in Table C.

Consolidation Tests

Consolidation testing was performed on two (2) relatively “undisturbed” soil sample at its natural moisture content in accordance with procedures outlined in ASTM D-2435. The samples were placed in a consolidometer and loads were applied incrementally in geometric progression. The samples (2.42-inches in diameter and 1-inch in height) were permitted to consolidate under each load increment until the slope of the characteristic linear secondary compression portion of the thickness versus log of time plot was apparent. The percent consolidation for each load cycle was recorded as the ratio of the amount of vertical

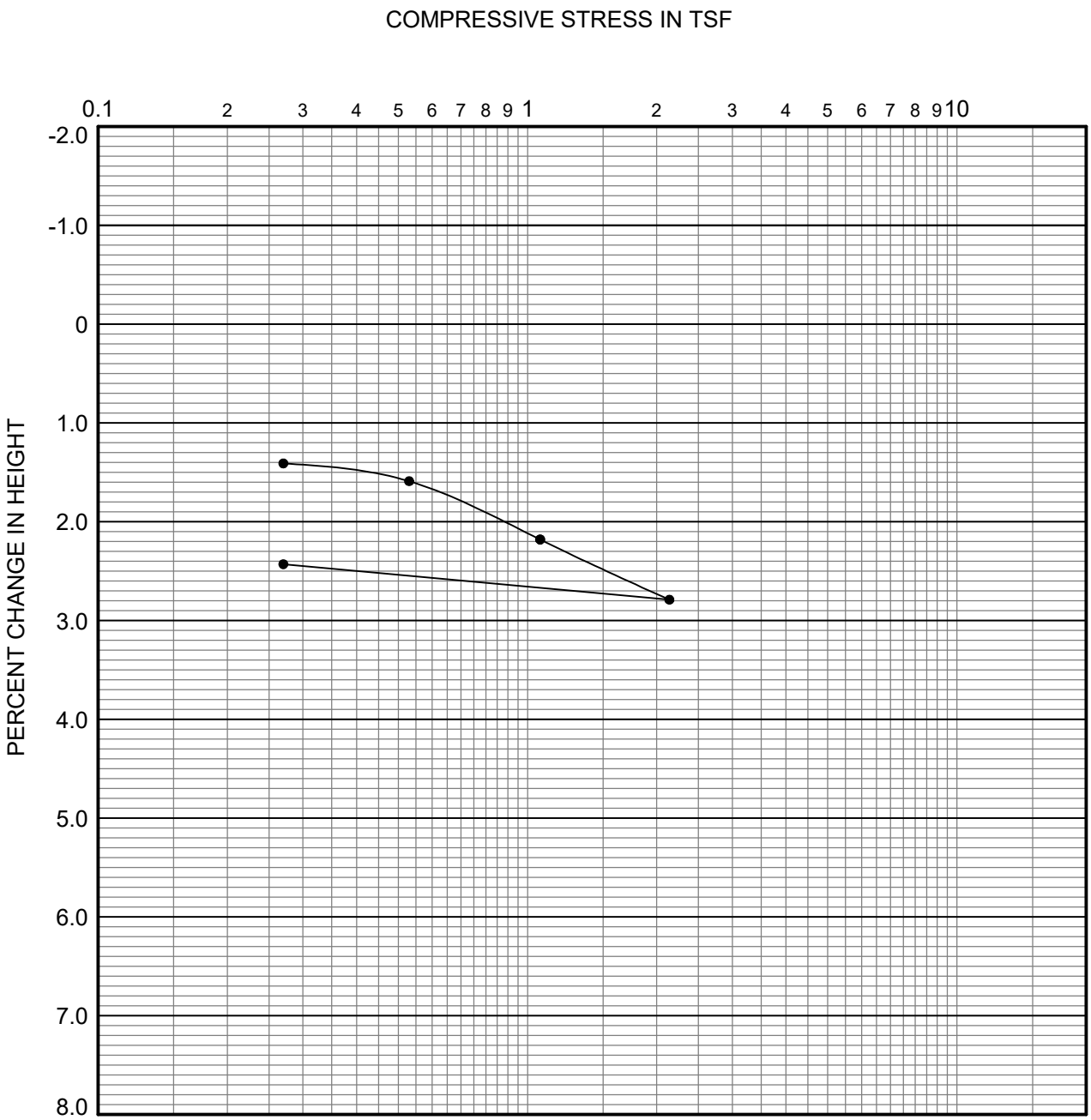
compression to the original 1-inch height. The consolidation test results are shown on Plate C-1 and C-2.

Chemical Analyses

Chemical testing was performed on one select sample by Alta. The results of these tests (sulfate content, resistivity, chloride content and pH) are presented on Table C.

TABLE C
SUMMARY OF LABORATORY TEST DATA
P.N. 1-0506

BORING	DEPTH (FEET)	SOIL DESCRIPTION	GROUP SYMBOL	MAXIMUM DENSITY (PCF)	OPTIMUM MOISTURE CONTENT (%)	DIRECT SHEAR	PLUS NO.4 SEIVE (plus 4.76mm) (%)	SAND (4.76mm-0.075mm) (%)	SILT (0.075mm-0.005mm) (%)	CLAY (minus 0.005mm) (%)	EXPANSION INDEX UBC 18-2	CONSOL	OTHER TESTS REMARKS
B-1	5	Silty Sand (Qyf)	SM				0	59	35	6		SEE PLATE C-1	
B-1	25	Silty Sand (Qyf)	SM				0	40	34	26			
B-1	30	Sandy Silt (Qyf)	ML				0	35	54	11			
B-2	5	Sandy Silt (Qyf)	ML	114.5	14.3		0	29	45	26	47		Sulf: 0.014% Chlr: 150 ppm pH: 11.5, Resis: 848 Ohm-cm
B-2	10	Sandy Silt (Qyf)	ML				0	40	44	16		SEE PLATE C-2	
B-2	20	Silty Sand (Qyf)	SM				0	63	21	16			
B-2	25	Sandy Silt (Qyf)	ML				0	46	29	25			



boring	depth (ft.)	dry density (pcf)	in situ moist. (%)	in situ satur. (%)	-200 sieve (%)	group symbol	typical names
B-1	5.0	94	26.4	93	41	SM	Silty Sand (Qyf)

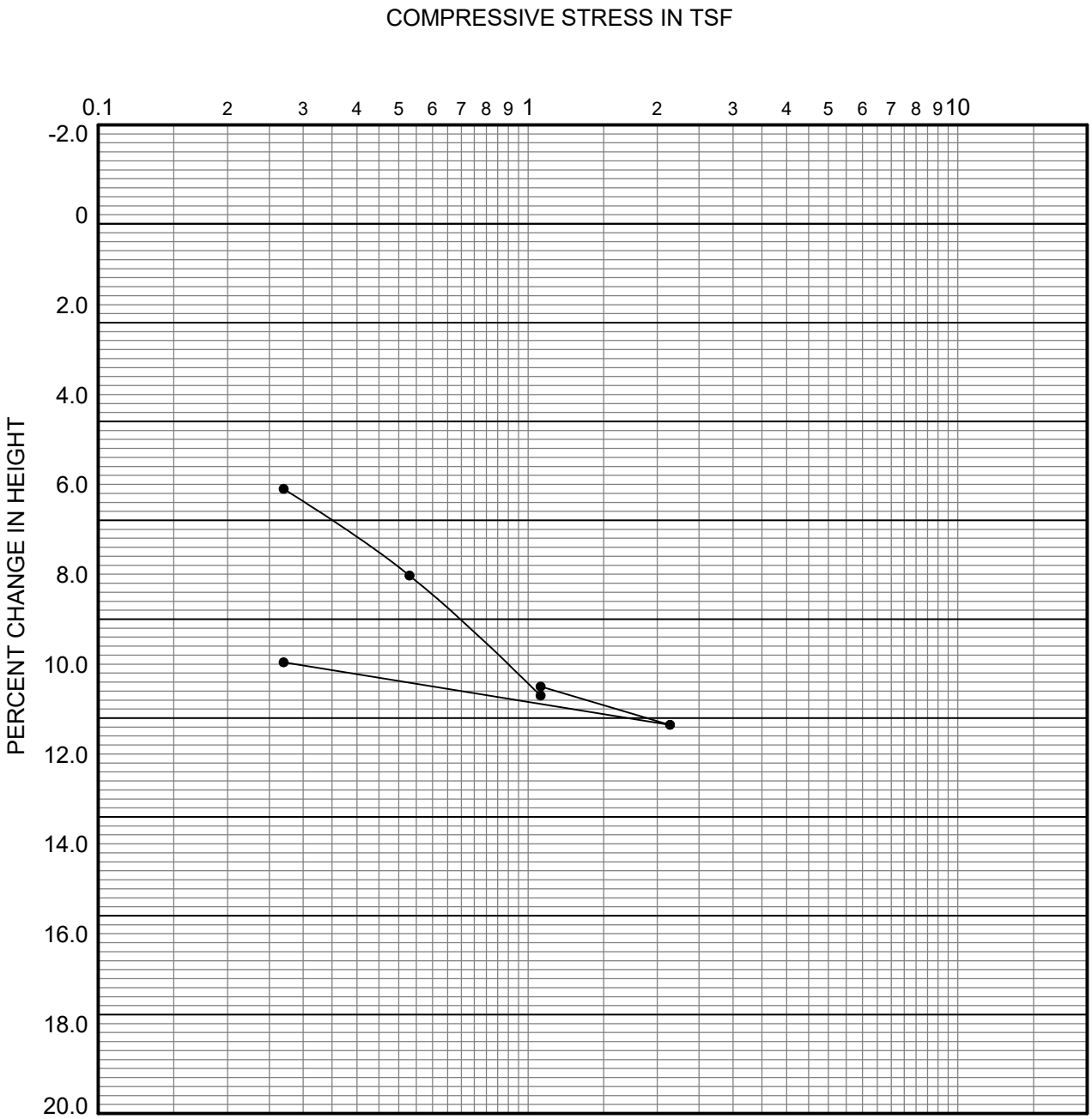
REMARKS: WATER ADDED AT 1.07 TSF

CONSOLIDATION CURVE

Alta California Geotechnical, Inc.

P.N. 1-0506

PLATE C-1



boring	depth (ft.)	dry density (pcf)	in situ moist. (%)	in situ satur. (%)	-200 sieve (%)	group symbol	typical names
B-2	10.0	91	30.8	99	60	ML	Sandy Silt (Qyf)

REMARKS: WATER ADDED AT 1.07 TSF

CONSOLIDATION CURVE

Alta California Geotechnical, Inc.

P.N. 1-0506

PLATE C-2

APPENDIX D

Liquefaction Analysis

APPENDIX D

LIQUEFACTION ANALYSIS

A liquefaction analysis was performed for the site based on blow count data for borings B-1 and B-2 are presented on the logs in Appendix B. The analysis utilized the PGA_M, the predominant earthquake magnitude assuming a 2% probability of exceedance in 50 years, and a factor of safety of 1.0. The results are presented on Plates D-1 and D-2.

Boring B-1																												
Depth (ft)	Rd	Overburden Stress (ksf)		Fines Content (%)	SPT Test							N1(60fc) I&B	Relative Density Dr (%)	Simplified CSR	CRR7.5	MSF	Safety Factor (SF)	Probability of Liquefaction PL(%)		Lateral Spreading Indexes (in)			Recons. Settlement (in)			Residual Strength Sr (ksf)	
		Total	Effective		N	Ce	Cr	Cs	Cb	Cn	N1(60)				Boulanger & Idriss (2014)	Boulanger & Idriss (2014)	Boulanger & Idriss (2014)	Youd & Noble	Cetin et al. 2004	Max. Shear Strain (%)	delta LDI	LDI	Vol. Strain (%)	delta S	S	Lower limit	Upper limit
5	0.987	0.7	0.7	40	7	1.33	0.75	1	1	1.58	11	18	63	0.443	0.443	1.29	-	-	-	-	-	-	-	-	-	-	-
10	0.966	1.29	1.22	60	5	1.33	0.79	1	1	1.28	7	13	53.4	0.456	0.456	1.29	-	-	-	-	-	-	-	-	-	-	-
15	0.943	1.85	1.47	50	4	1.33	0.9	1	1	1.18	6	12	50.7	0.531	0.531	1.29	-	-	-	-	-	-	-	-	-	-	-
20	0.917	2.41	1.72	50	7	1.33	0.93	1	1	1.09	9	16	59.7	0.576	0.576	1.29	-	-	-	-	-	-	-	-	-	-	-
25	0.89	2.97	1.97	60	6	1.33	0.96	1	1	1.02	8	14	55.9	0.601	0.601	1.29	-	-	-	-	-	-	-	-	-	-	-
30	0.861	3.53	2.22	60	11	1.33	0.97	1	1	0.96	14	21	68	0.614	0.614	1.29	-	-	-	-	-	-	-	-	-	-	-
35	0.831	4.1	2.47	40	10	1.33	0.98	1	1	0.9	12	19	64.4	0.617	0.617	1.29	0.4	12.7	100	19.1	11.45	25.29	2.4	1.44	3.53	0.4	1.6
40	0.801	4.68	2.75	10	26	1.33	0.98	1	1	0.84	29	30	81	0.612	0.612	1.29	1.03	7.9	89	3.6	1.52	13.84	0.7	0.3	2.09	1.2	1.8
45	0.771	5.27	3.02	10	23	1.33	0.99	1	1	0.79	24	25	74.3	0.603	0.603	1.29	0.62	6.2	100	12.3	7.36	12.32	1.9	1.12	1.79	0.8	2
50	0.742	5.86	3.3	10	20	1.33	1	1	1	0.74	20	21	67.5	0.591	0.591	1.29	0.46	7.6	100	16.5	4.96	4.96	2.2	0.67	0.67	0.6	2.1

Legend	
Rd	Depth Reduction Factor
N	SPT Blow Count
Ce	Energy Level Factor
Cr	Rod Length Factor
Cs	Sample Liner Correction
Cb	Borehole Diameter Factor
Cn	Depth Correction / Normalization Factor
N1(60)	Corrected SPT Blow Counts
MSF	Magnitude Scaling Factor
SF	$SF=CRR_{7.5}*MSF/CSR$
LDI	Lateral Displacement Index
S	Settlement
	SF<1

PLATE D–1

Boring B-2																												
Depth (ft)	Rd	Overburden Stress (ksf)		Fines Content (%)	SPT Test							N1(60fc) I&B	Relative Density Dr (%)	Simplified CSR	CRR7.5	MSF	Safety Factor (SF)	Probability of Liquefaction PL(%)		Lateral Spreading Indexes (in)			Recons. Settlement (in)			Residual Strength Sr (ksf)	
		Total	Effective		N	Ce	Cr	Cs	Cb	Cn	N1(60)				Boulanger & Idriss (2014)	Boulanger & Idriss (2014)	Boulanger & Idriss (2014)	Youd & Noble	Cetin et al. 2004	Max. Shear Strain (%)	delta LDI	LDI	Vol. Strain (%)	delta S	S	Lower limit	Upper limit
5	0.987	0.7	0.7	60	7	1.33	0.75	1	1	1.58	11	18	63.1	0.443	0.443	1.29	-	-	-	-	-	-	-	-	-	-	-
10	0.966	1.26	1.2	60	4	1.33	0.79	1	1	1.29	5	12	50.1	0.456	0.456	1.29	-	-	-	-	-	-	-	-	-	-	-
15	0.943	1.83	1.45	40	9	1.33	0.9	1	1	1.19	13	20	66.6	0.532	0.532	1.29	0.52	12.9	98.8	17.3	7.26	20.2	2.3	0.95	3.12	0.3	0.9
20	0.917	2.41	1.73	40	16	1.33	0.93	1	1	1.09	22	31	82	0.575	0.575	1.29	1.25	13.8	0.1	3.3	2.61	12.94	0.6	0.5	2.17	0.8	1.1
25	0.89	2.99	2	60	37	1.33	0.96	1	1	1.01	48	63	100	0.599	0.599	1.29	-	-	-	-	-	-	-	-	-	-	-
30	0.861	3.56	2.24	60	12	1.33	0.97	1	1	0.95	15	23	70.2	0.611	0.611	1.29	-	-	-	-	-	-	-	-	-	-	-
35	0.831	4.12	2.5	10	20	1.33	0.98	1	1	0.89	23	25	73.3	0.615	0.615	1.29	0.59	6.8	100	13.1	7.88	10.33	1.9	1.15	1.67	0.6	1.6
40	0.801	4.71	2.77	40	23	1.33	0.98	1	1	0.84	25	35	87.6	0.61	0.61	1.29	1.66	26.6	0	0	0	2.45	0	0	0.52	-	-
45	0.771	5.29	3.05	10	26	1.33	0.99	1	1	0.78	27	28	78.6	0.601	0.601	1.29	0.84	6.1	98.8	5.8	2.45	2.45	1.2	0.52	0.52	1.1	2
50	0.742	5.88	3.32	10	67	1.33	1	1	1	0.74	66	68	100	0.589	0.589	1.29	1.7	0	0	0	0	0	0	0	0	-	-

Legend	
Rd	Depth Reduction Factor
N	SPT Blow Count
Ce	Energy Level Factor
Cr	Rod Length Factor
Cs	Sample Liner Correction
Cb	Borehole Diameter Factor
Cn	Depth Correction / Normalization Factor
N1(60)	Corrected SPT Blow Counts
MSF	Magnitude Scaling Factor
SF	$SF=CRR_{7.5}*MSF/CSR$
LDI	Lateral Displacement Index
S	Settlement
	SF<1

PLATE D-2

APPENDIX E

Maintenance and Improvement Considerations

MAINTENANCE AND IMPROVEMENT CONSIDERATIONS

General

Owners purchasing property must assume a certain degree of responsibility for improvements and for maintaining conditions around their home. Of primary importance from a geotechnical standpoint are maintaining drainage patterns and minimizing the soil moisture variation below all improvements. Such design, construction and owner maintenance provisions may include:

- Employing contractors for improvements who design and build in recognition of local building codes and specific site soils conditions.
- Establishing and maintaining positive drainage away from all foundations, walkways, driveways, patios, and other improvements.
- Avoiding the construction of planters adjacent to structural improvements. Alternatively, planter sides/bottoms can be sealed with an impermeable membrane and drained away from the improvements via subdrains into approved disposal areas.
- Sealing and maintaining construction/control joints within concrete slabs and walkways to reduce the potential for moisture infiltration into the subgrade soils.
- Utilizing landscaping schemes with vegetation that requires minimal watering. Watering should be done in a uniform manner, as equally as possible on all sides of the foundation, keeping the soil "moist" but not allowing the soil to become saturated.
- Maintaining positive drainage away from structures and providing roof gutters on all structures with downspouts that are designed to carry roof runoff directly into area drains or discharged well away from the foundation areas.
- Avoiding the placement of trees closer to the proposed structures than a distance of one-half the mature height of the tree.
- Observation of the soil conditions around the perimeter of the structure during extremely hot/dry or unusually wet weather conditions so that modifications can be made in irrigation programs to maintain relatively uniform moisture conditions.

Sulfates

Owners should be cautioned against the import and use of certain inorganic fertilizers, soil amendments, and/or other soils from offsite sources in the absence of specific information relating to their chemical composition. Some fertilizers have been known to leach sulfate compounds into soils and increase the sulfate concentrations to potentially detrimental levels.

Site Drainage

- The owners should be made aware of the potential problems that may develop when drainage is altered through construction of hardscape improvements. Ponded water, drainage over the slope face, leaking irrigation systems, overwatering, or other conditions which could lead to ground saturation must be avoided.
- No water should be allowed to flow over the slopes. No alteration of pad gradients should be allowed that would prevent pad and roof runoff from being directed to approved disposal areas.
- Drainage patterns have been established at the time of the fine grading should be maintained throughout the life of the structure. No alterations to these drainage patterns should be made unless designed by qualified professionals in compliance with local code requirements and site-specific soils conditions.

Slope Drainage

- Residents should be made aware of the importance of maintaining and cleaning all interceptor ditches, drainage terraces, down drains, and any other drainage devices, which have been installed to promote slope stability.
- Subsurface drainage pipe outlets may protrude through slope surfaces and/or wall faces. These pipes, in conjunction with the graded features, are essential to slope and wall stability and must be protected in-place. They should not be altered or damaged in any way.

Planting and Irrigation of Slopes

- Seeding and planting of the slopes should be planned to achieve, as rapidly as possible, a well-established and deep-rooted vegetal cover requiring minimal watering.
- It is the responsibility of the landscape architect to provide such plants initially and of the residents to maintain such planting. Alteration of such a planting scheme is at the resident's risk.
- The resident is responsible for proper irrigation and for maintenance and repair of properly installed irrigation systems. Leaks should be fixed immediately.

- Sprinklers should be adjusted to provide maximum uniform coverage with a minimum of water usage and overlap. Overwatering with consequent wasteful runoff and serious ground saturation must be avoided.
- If automatic sprinkler systems are installed, their use must be adjusted to account for seasonal and natural rainfall conditions.

Burrowing Animals

- Residents must undertake a program to eliminate burrowing animals. This must be an ongoing program in order to promote slope stability.

Owner Improvement

Owner improvements (pools, spas, patio slabs, retaining walls, planters, etc.) should be designed to account for the terrain of the project, as well as expansive soil conditions and chemical characteristics. Design considerations on any given lot may need to include provisions for differential bearing materials, ascending/descending slope conditions, bedrock structure, perched (irrigation) water, special geologic surcharge loading conditions, expansive soil stresses, and long-term creep/settlement.

All owner improvements should be designed and constructed by qualified professionals utilizing appropriate design methodologies, which account for the on-site soils and geologic conditions. Each lot and proposed improvement should be evaluated on an individual basis.

Setback Zones

Manufactured slopes maybe subject to long-term settlement and creep that can manifest itself in the form of both horizontal and vertical movement. These movements typically are produced as a result of weathering, erosion, gravity forces, and other natural phenomenon. A setback adjacent to slopes is required by most building codes, including the California Building Code. This zone is intended to locate and support the residential structures away from these slopes and onto soils that are not subject to the potential adverse effects of these natural phenomena.

The owner may wish to construct patios, walls, walkways, planters, swimming pools, spas, etc. within this zone. Such facilities may be sensitive to settlement and creep and should not be

constructed within the setback zone unless properly engineered. It is suggested that plans for such improvements be designed by a professional engineer who is familiar with grading ordinances and design and construction requirements. In addition, we recommend that the designer and contractor familiarize themselves with the site specific geologic and geotechnical conditions on the specific lot.

APPENDIX F

Earthwork Specifications

ALTA CALIFORNIA GEOTECHNICAL, INC.
EARTHWORK SPECIFICATIONS

These specifications present the generally accepted standards and minimum earthwork requirements for the development of the project. These specifications shall be the project guidelines for earthwork except where specifically superseded in preliminary geology and soils reports, grading plan review reports or by the prevailing grading codes or ordinances of the controlling agency.

A. GENERAL

1. The Contractor shall be responsible for the satisfactory completion of all earthwork in accordance with the project plans and specifications.

2. The project Geotechnical Engineer and Engineering Geologist, or their representatives, shall provide observation and testing services, and Geotechnical consultation for the duration of the project.

3. All clearing, grubbing, stripping and site preparation for the project shall be accomplished by the Contractor to the satisfaction of the Geotechnical Engineer/Engineering Geologist.

4. It is the Contractor's responsibility to prepare the ground surface to receive fill to the satisfaction of the Geotechnical Engineer and to place, spread, mix, moisture condition, and compact the fill in accordance with the job specifications and as required by the Geotechnical Engineer. The Contractor shall also remove all material considered by the Geotechnical Engineer to be unsuitable for use in the construction of engineered fills.

5. The Contractor shall have suitable and sufficient equipment in operation to handle the amount of fill being placed. When necessary, equipment will be shut down temporarily in order to permit the proper preparation of fills.

B. PREPARATION OF FILL AREAS

1. Excessive vegetation and all deleterious material should be disposed of offsite as required by the Geotechnical Engineer.

   Existing fill, soil, alluvium or rock materials determined by the Geotechnical Engineer as being unsuitable for placement in compacted fills shall be removed and hauled from the site. Where applicable, the Contractor may obtain the

approval of the Soils Engineer and the controlling authorities for the project to dispose of the above described materials, or a portion thereof, in designated areas onsite.

After removal of the deleterious materials have been accomplished, earth materials deemed unsuitable in their natural, in-place condition, shall be removed as recommended by the Geotechnical Engineer/Engineering Geologist.

2. Upon achieving a suitable bottom for fill placement, the exposed removal bottom shall be disced or bladed by the Contractor to the satisfaction of the Geotechnical Engineer. The prepared ground surfaces shall then be brought to the specified moisture content mixed as required, and compacted and tested as specified. In localities where it is necessary to obtain the approval of the controlling agency prior to placing fill, it will be the Contractor's responsibility to contact the proper authorities to visit the site.

3. Any underground structure such as cesspools, cisterns, mining shafts, tunnels, septic tanks, wells, pipelines or other structures not located prior to grading are to be removed or treated in a manner prescribed by the Geotechnical Engineer and/or the controlling agency for the project.

C. ENGINEERED FILLS

1. Any material imported or excavated on the property may be utilized as fill, provided the material has been determined to be suitable by the Geotechnical Engineer. Deleterious materials shall be removed from the fill as directed by the Geotechnical Engineer.

2. Rock or rock fragments less than twelve inches in the largest dimension may be utilized in the fill, provided they are not placed in concentrated pockets and the distribution of the rocks is approved by the Geotechnical Engineer.

3. Rocks greater than twelve inches in the largest dimension shall be taken offsite, or placed in accordance with the recommendations of the Geotechnical Engineer in areas designated as suitable for rock disposal.

4. All materials to be used as fill, shall be tested in the laboratory by the Geotechnical Engineer. Proposed import materials shall be approved by the Geotechnical Engineer 48 hours prior to importation.

5. The fill materials shall be placed by the Contractor in lifts, that when compacted, shall not exceed six inches. Each lift shall be spread evenly and shall be

thoroughly mixed to achieve a near uniform moisture condition and a uniform blend of materials.

All compaction shall be achieved at or above the optimum moisture content, as determined by the applicable laboratory standard. The Contractor will be notified if the fill materials are too wet or too dry to achieve the required compaction standard.

6. When the moisture content of the fill material is below the limit specified by the Geotechnical Engineer, water shall be added and the materials shall be blended until a uniform moisture content, within specified limits, is achieved. When the moisture content of the fill material is above the limits specified by the Geotechnical Engineer, the fill materials shall be aerated by discing, blading, mixed with dryer fill materials, or other satisfactory methods until the moisture content is within the specified limits.

7. Each fill lift shall be compacted to the minimum project standards, in compliance with the testing methods specified by the controlling governmental agency, and in accordance with recommendations of the Geotechnical Engineer.

   In the absence of specific recommendations by the Geotechnical Engineer to the contrary, the compaction standard shall be the most recent version of ASTM:D 1557.

8. Where a slope receiving fill exceeds a ratio of five-horizontal to one-vertical, the fill shall be keyed and benched through all unsuitable materials into sound bedrock or firm material, in accordance with the recommendations and approval of the Geotechnical Engineer.

9. Side hill fills shall have a minimum key width of 15 feet into bedrock or firm materials, unless otherwise specified in the soil report and approved by the Geotechnical Engineer in the field.

10. Drainage terraces and subdrainage devices shall be constructed in compliance with the ordinances of the controlling governmental agency and/or with the recommendations of the Geotechnical Engineer and Engineering Geologist.

11. The Contractor shall be required to maintain the specified minimum relative compaction out to the finish slope face of fill slopes, buttresses, and stabilization fills as directed by the Geotechnical Engineer and/or the governing agency for the project. This may be achieved by either overbuilding the slope and cutting

back to the compacted core; by direct compaction of the slope face with suitable equipment; or by any other procedure which produces the required result.

12. The fill portion of fill-over-cut slopes shall be properly keyed into rock or firm material; and the fill area shall be stripped of all soil or unsuitable materials prior to placing fill.

    The design cut portion of the slope should be made first and evaluated for suitability by the Engineering Geologist prior to placement of fill in the keyway above the cut slope.

13. Pad areas in cut or natural ground shall be approved by the Geotechnical Engineer. Finished surfaces of these pads may require scarification and recompaction, or over excavation as determined by the Geotechnical Engineer.

D. CUT SLOPES

1. The Engineering Geologist shall observe all cut slopes and shall be notified by the Contractor when cut slopes are to be started.

2. If, during the course of grading, unforeseen adverse or potentially adverse geologic conditions are encountered, the Engineering Geologist and Soil Engineer shall investigate, analyze and make recommendations to remediate these problems.

3. Non-erodible interceptor swales shall be placed at the top of cut slopes that face the same direction as the superjacent, prevailing drainage.

4. Unless otherwise specified in specific geotechnical reports, no cut slopes shall be excavated higher or steeper than that allowed by the ordinances of controlling governmental agencies.

5. Drainage terraces shall be constructed in compliance with the ordinances of the controlling governmental agencies, and/or in accordance with the recommendations of the Geotechnical Engineer or Engineering Geologist.

E. GRADING CONTROL

1. Fill placement shall be observed and tested by the Geotechnical Engineer and/or his representative during grading.

   Field density tests shall be made by the Geotechnical Engineer and/or his representative to evaluate the compaction and moisture compliance of each fill lift. Density tests shall be conducted at intervals not to exceed two feet of fill

height. Where sheepsfoot rollers are used, the fill may be disturbed to a depth of several inches. Density determinations shall be taken in the compacted material below the disturbed surface at a depth determined by the Geotechnical Engineer or his representative.

2. Where tests indicate that the density of any layer of fill, or portion thereof, is below the required relative compaction, or improper moisture content is in evidence, that particular layer or portion thereof shall be reworked until the required density and/or moisture content has been attained. Additional fills shall not be placed over an area until the previous lift of fill has been tested and found to meet the density and moisture requirements for the project and the previous lift is approved by the Geotechnical Engineer.

3. When grading activities are interrupted by heavy rains, fill operations shall not be resumed until field observations and tests by the Geotechnical Engineer indicate the moisture content and density of the fill are within the specified limits.

4. During construction, the Contractor shall properly grade all surfaces to maintain good drainage and prevent the ponding of water. The Contractor shall take remedial action to control surface water and to prevent erosion of graded areas until such time as a permanent drainage and erosion devices have been installed.

5. Observation and testing by the Geotechnical Engineer and/or his representative shall be conducted during filling and compacting operations in order that he will be able to state in his opinion that all cut and filled areas are graded in accordance with the approved specifications.

6. Upon the completion of grading activities and after the Geotechnical Engineer and Engineering Geologist have finished their observations of the work, final reports shall be submitted. No further excavation or fill placement shall be undertaken without prior notification of the Geotechnical Engineer and/or Engineering Geologist.

F. FINISHED SLOPES

All finished cut and fill slopes shall be planted and irrigated and/or protected from erosion in accordance with the project specifications, governing agencies, and/or as recommended by a landscape architect.

APPENDIX G

Grading Details

DETAIL FOR FILL SLOPE TOEING OUT ON FLAT ALLUVIATED CANYON

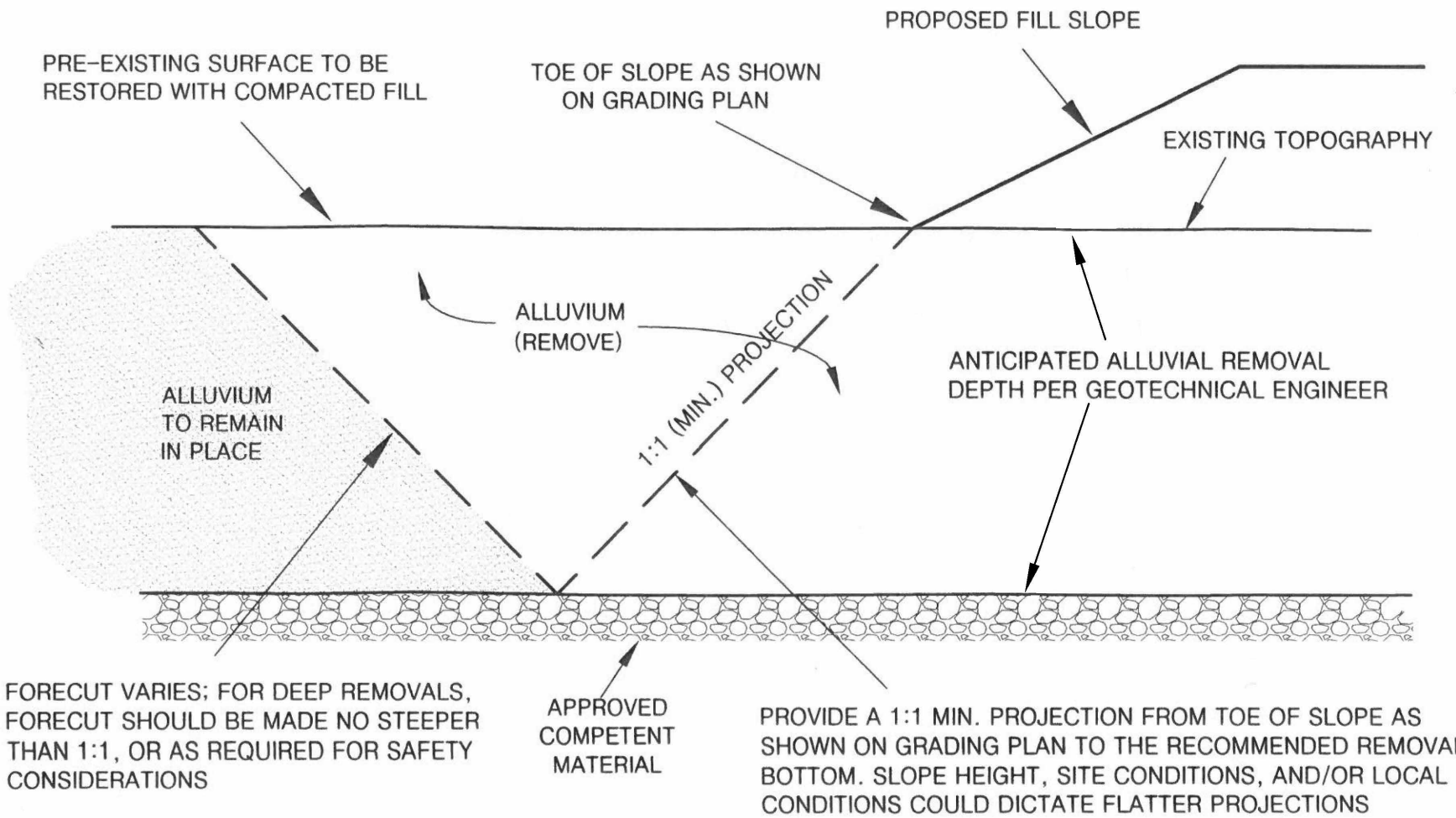


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PLATE G-1

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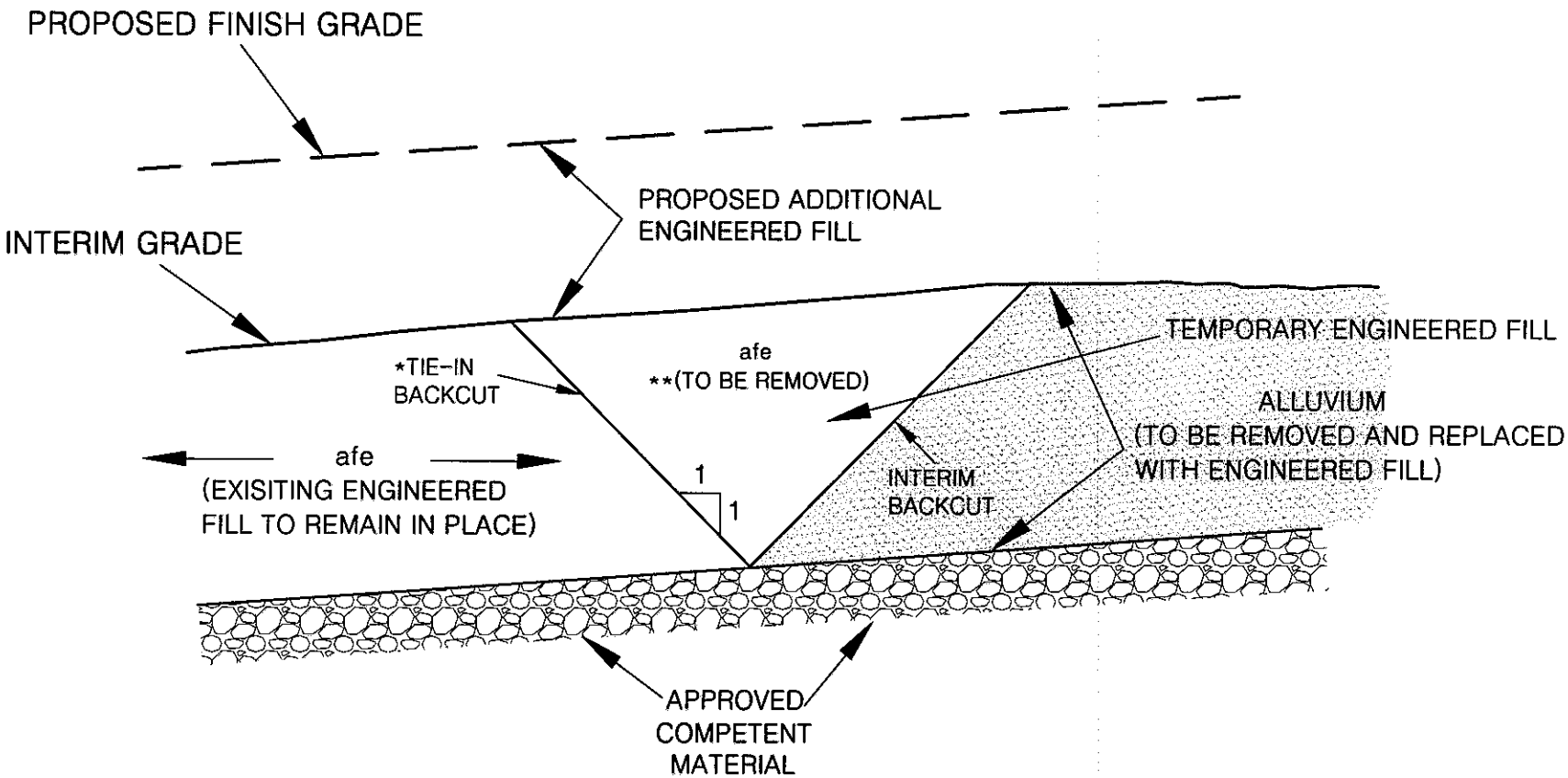
REMOVAL ADJACENT TO EXISTING FILL



*INITIATE 1:1 TIE-IN BACKCUT TO INTERCEPT TOE OF INTERIM BACKCUT

**AS PART OF TIE-IN FOR ADDITIONAL ENGINEERED FILL

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PLATE G-2

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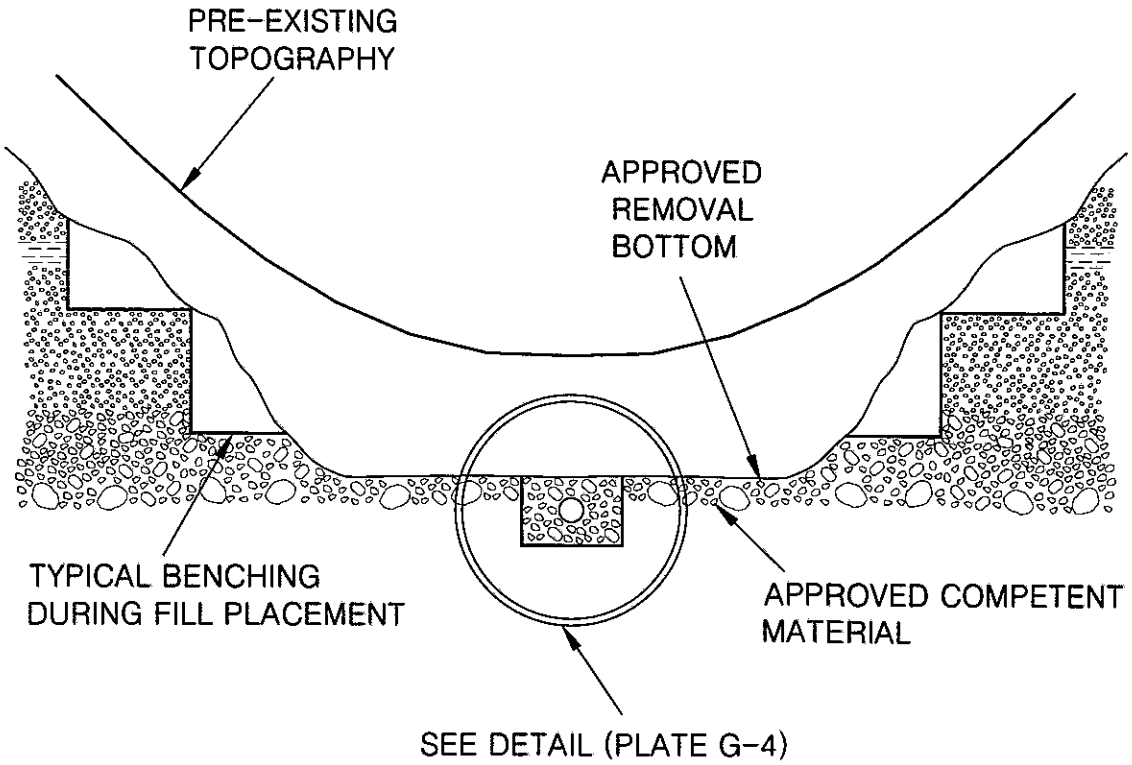
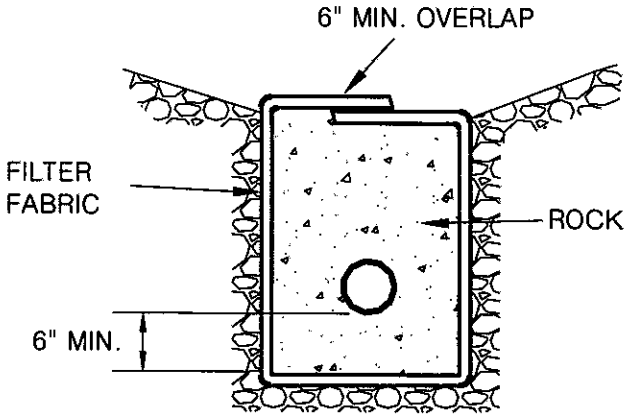
CANYON SUBDRAIN



CANYON SUBDRAIN DETAIL

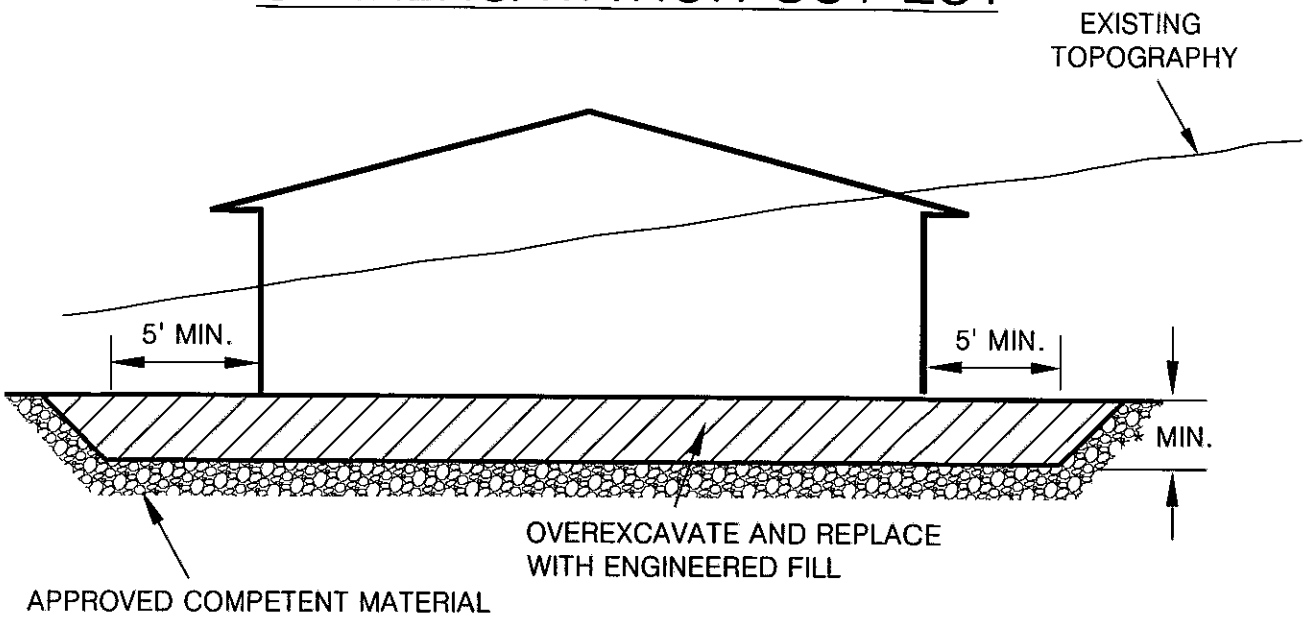


PERFORATED PIPE SURROUNDED WITH ROCK AND FILTER FABRIC

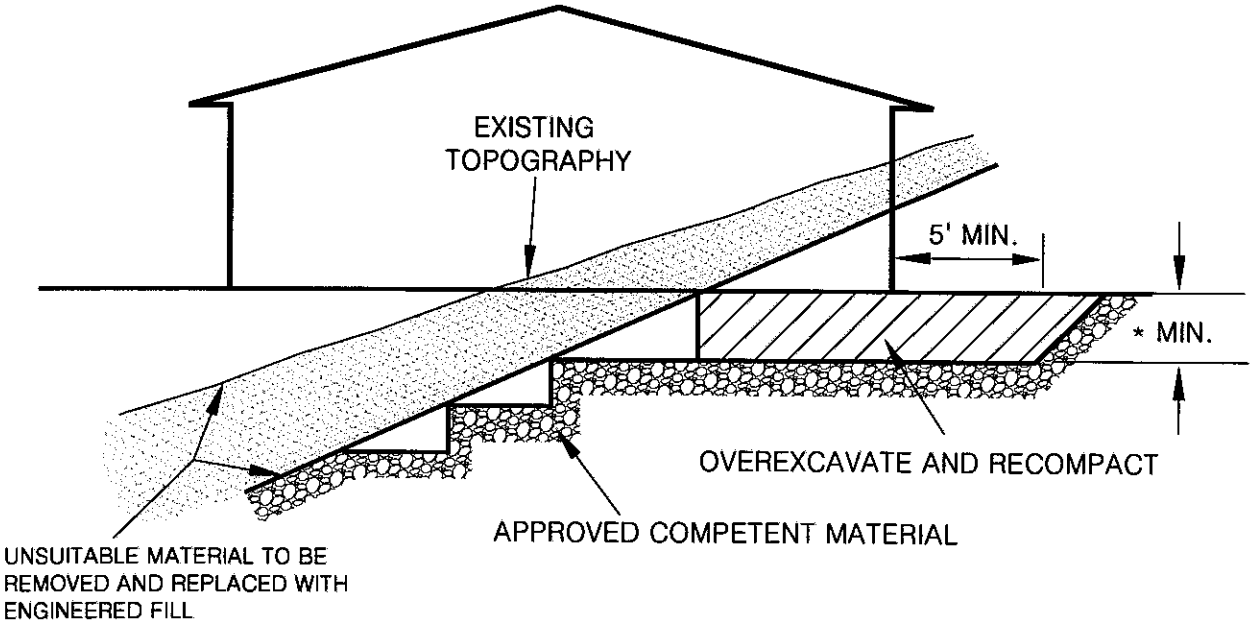
ROCK: MIN. VOLUME OF 9 CU.FT. PER LINEAR FT. OF 3/4 IN. MAX. ROCK
PIPE: 6 IN. ABS OR PVC PIPE WITH A MINIMUM OF 8 PERFORATIONS (1/4-IN. DIA.) PER LINEAL FT. IN BOTTOM HALF OF PIPE ASTM D2751, SDR 35, OR ASTM D3034 OR ASTM D1527, SCHD. 40 ASTM D1785, SCHD. 40
FILTER FABRIC: MIRAFI 140 FILTER FABRIC OR APPROVED EQUIVALENT

NOTES:
1. FOR CONTINUOUS RUN IN EXCESS OF 500. FT USE 8 IN. DIA. PIPE
2. ENGINEERED FILL PLACED BELOW DRAINS SHALL BE COMPACTED TO 93% OF THE LABORATORY MAXIMUM DRY DENSITY (ASTM:D1557)

OVEREXCAVATION CUT LOT



CUT-FILL LOT (TRANSITION)



*NOTE ALL BUILDING PADS SHALL BE OVER EXCAVATED TO A MINIMUM OF ⅓ OF THE MAXIMUM DEPTH OF FILL BELOW THE BUILDING PAD TO A MAXIMUM OF 17 FEET (SEE PLATE G-16)

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PLATE G-5

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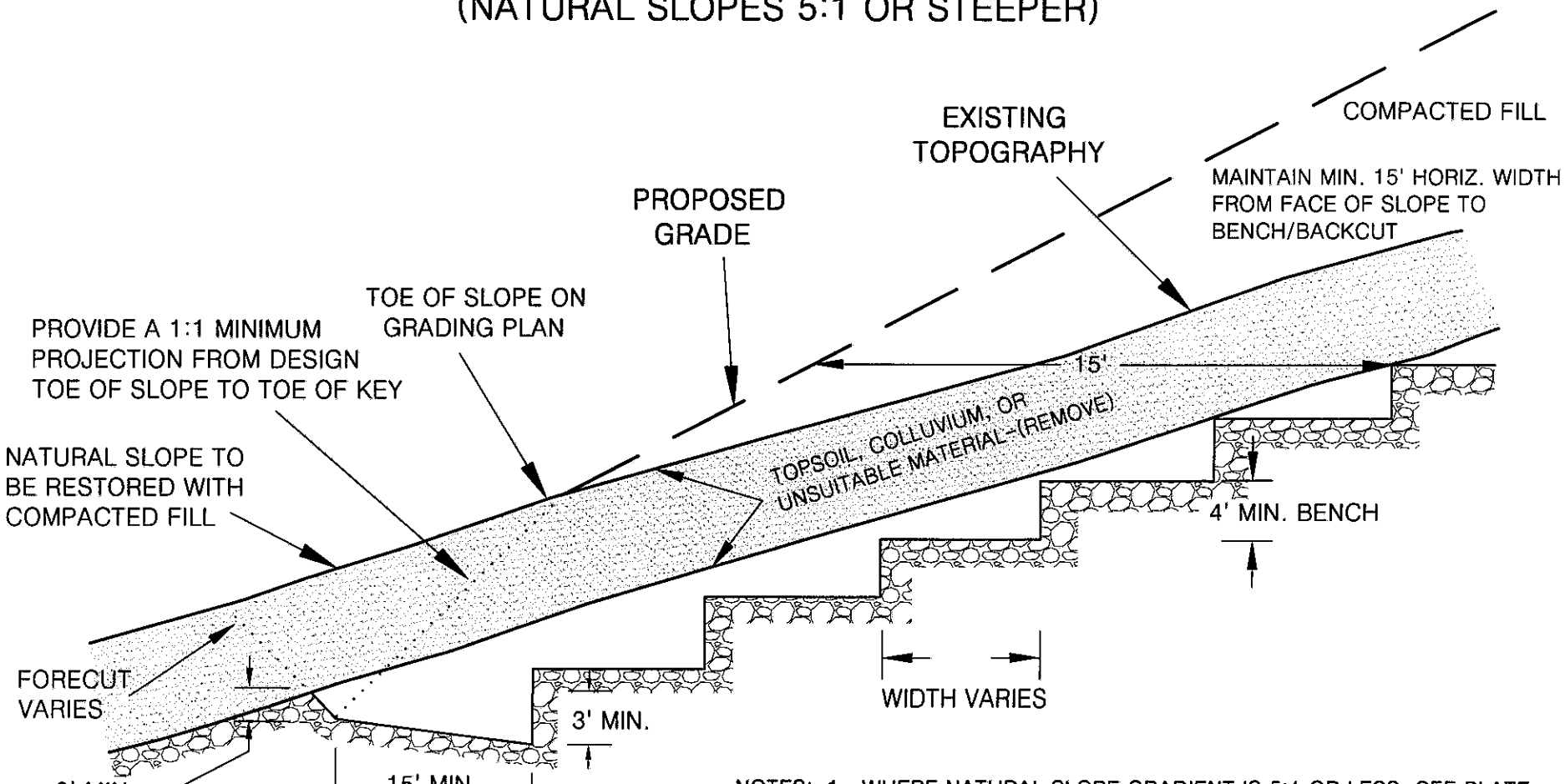
SIDE HILL SLOPE FILL DETAIL

(NATURAL SLOPES 5:1 OR STEEPER)



NOTES:

1. WHERE NATURAL SLOPE GRADIENT IS 5:1 OR LESS, SEE PLATE G-1. WHERE THE NATURAL SLOPE APPROACHES OR EXCEEDS THE DESIGN SLOPE RATIO, SPECIAL RECOMMENDATIONS WILL BE PROVIDED BY THE GEOTECHNICAL ENGINEER.
2. THE NEED FOR AND PLACEMENT OF DRAINS WILL BE DETERMINED BY THE GEOTECHNICAL ENGINEER OR GEOLOGIST BASED UPON EXPOSED FIELD CONDITIONS.

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PLATE G-6

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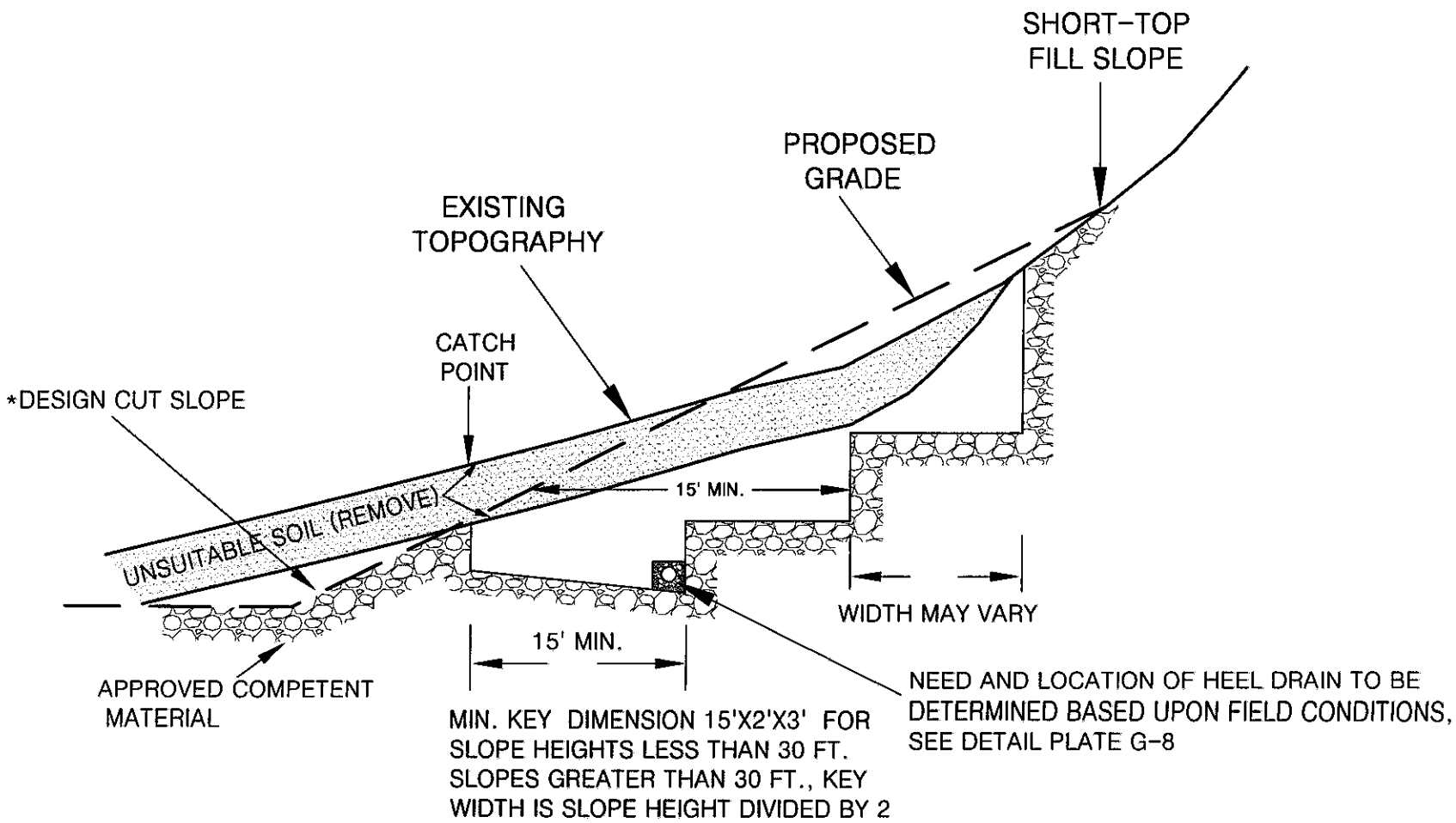
FILL OVER CUT SLOPE DETAIL



*THE CUT PORTION OF THE SLOPE SHOULD BE EXCAVATED AND EVALUATED BY THE ENGINEERING GEOLOGIST/GEOTECHNICAL ENGINEER PRIOR TO CONSTRUCTING THE FILL SLOPE

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PLATE G-7

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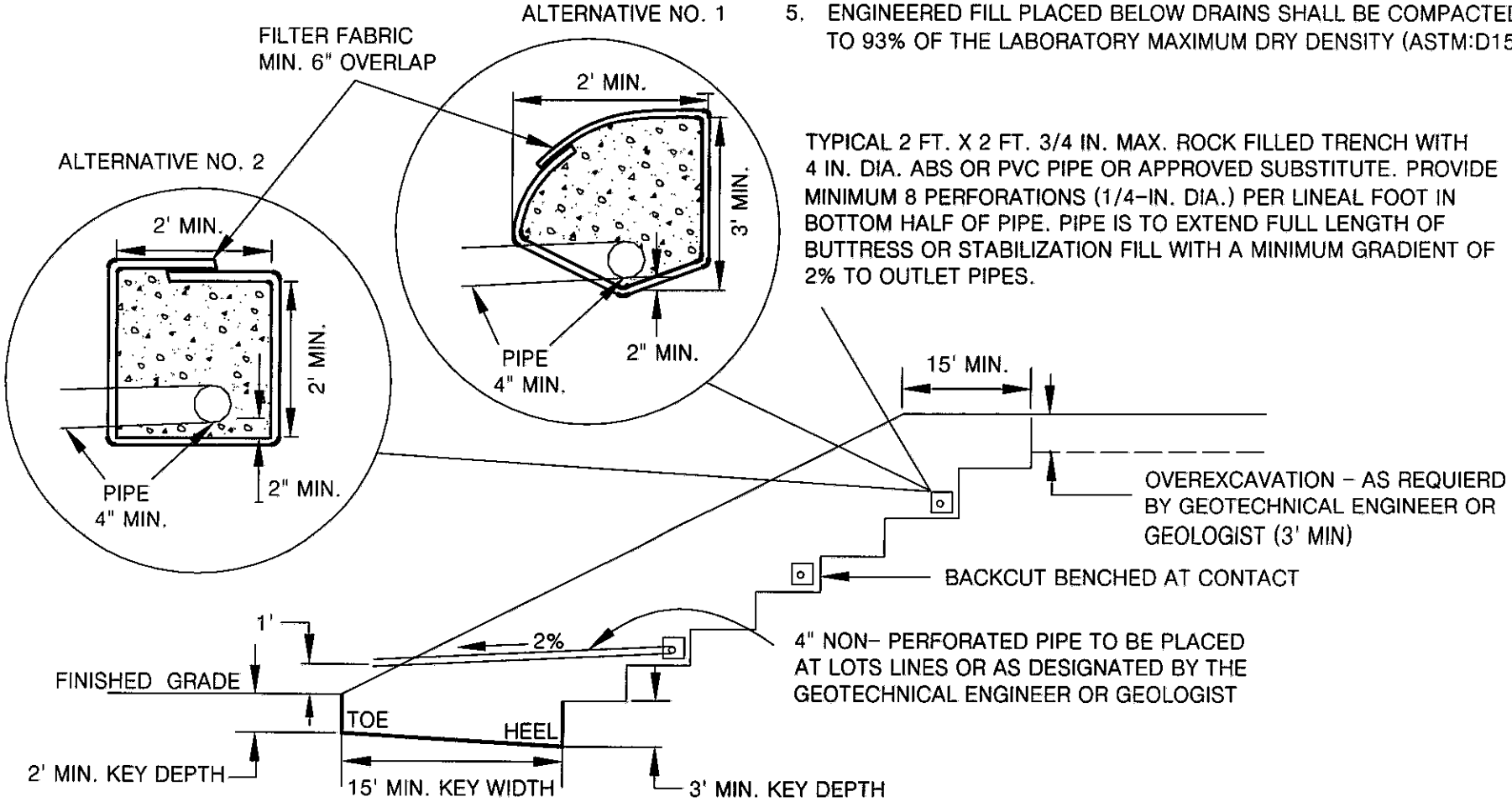
STABILIZATION/BUTTRESS FILL BACKDRAIN

NOTE:

1. ASTM D2751, SDR 35, OR ASTM D3034 OR ASTM D1527, SCHD. 40 ASTM D1785, SCHD. 40
2. SOLID PIPE OUTLETS TO BE PROVIDED EVERY 100 FT. AND JOINED TO PERFORATED BACKDRAIN PIPE WITH "L" OR "T"s. MIN. 2% GRADIENT.
3. GRAVEL TRENCH TO BE FILLED WITH 3/4 IN. MAXIMUM ROCK
4. THE NECESSITY FOR UPPER TIER BACKDRAINS SHALL BE DETERMINED IN THE FIELD BY THE GEOTECHNICAL ENGINEER OR GEOLOGIST. UPPER TIER OUTLETS SHOULD DRAIN INTO PAVED TERRACE DRAINS.
5. ENGINEERED FILL PLACED BELOW DRAINS SHALL BE COMPACTED TO 93% OF THE LABORATORY MAXIMUM DRY DENSITY (ASTM:D1557)



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VER. 3/12

PLATE G-8

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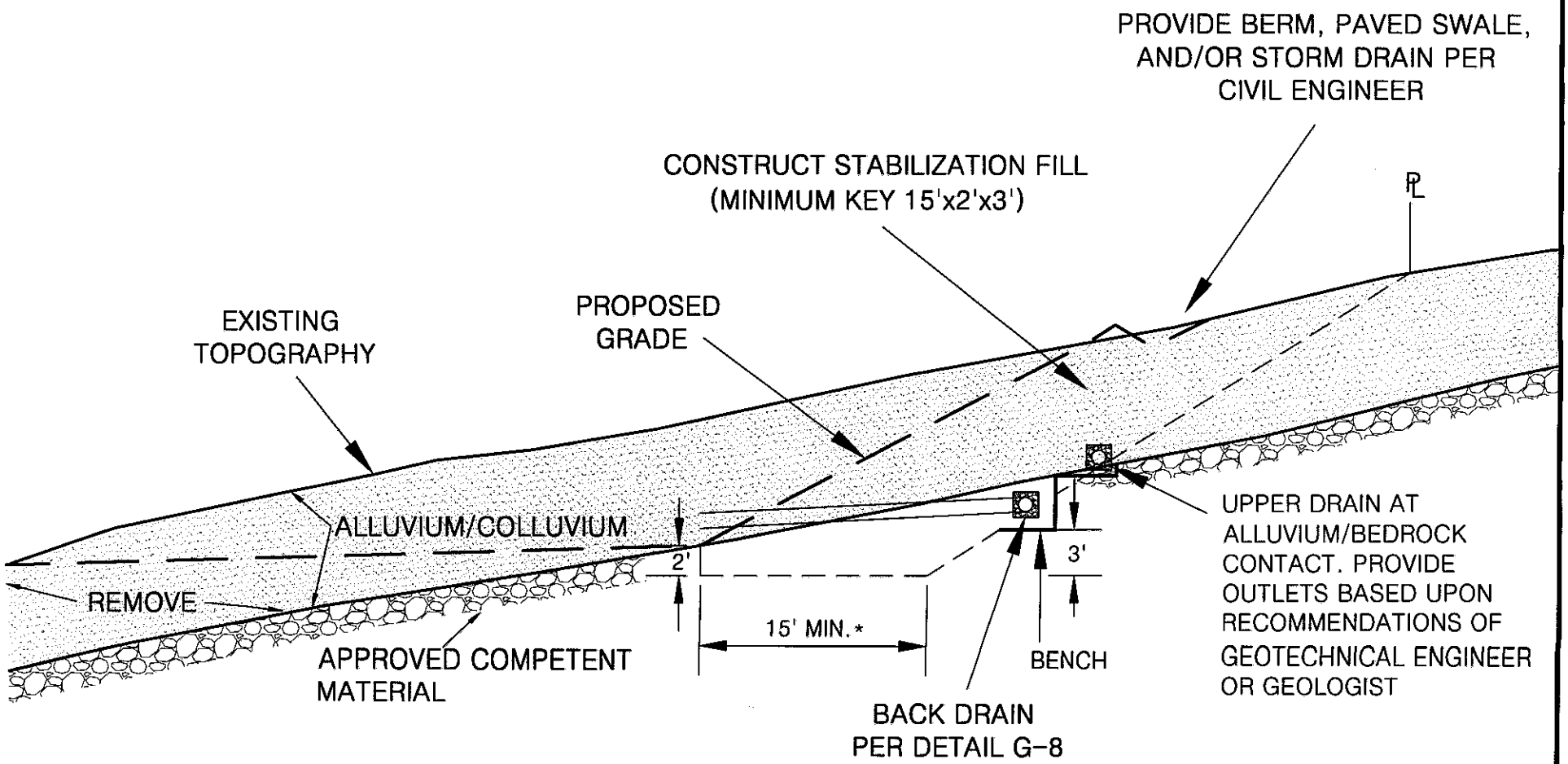
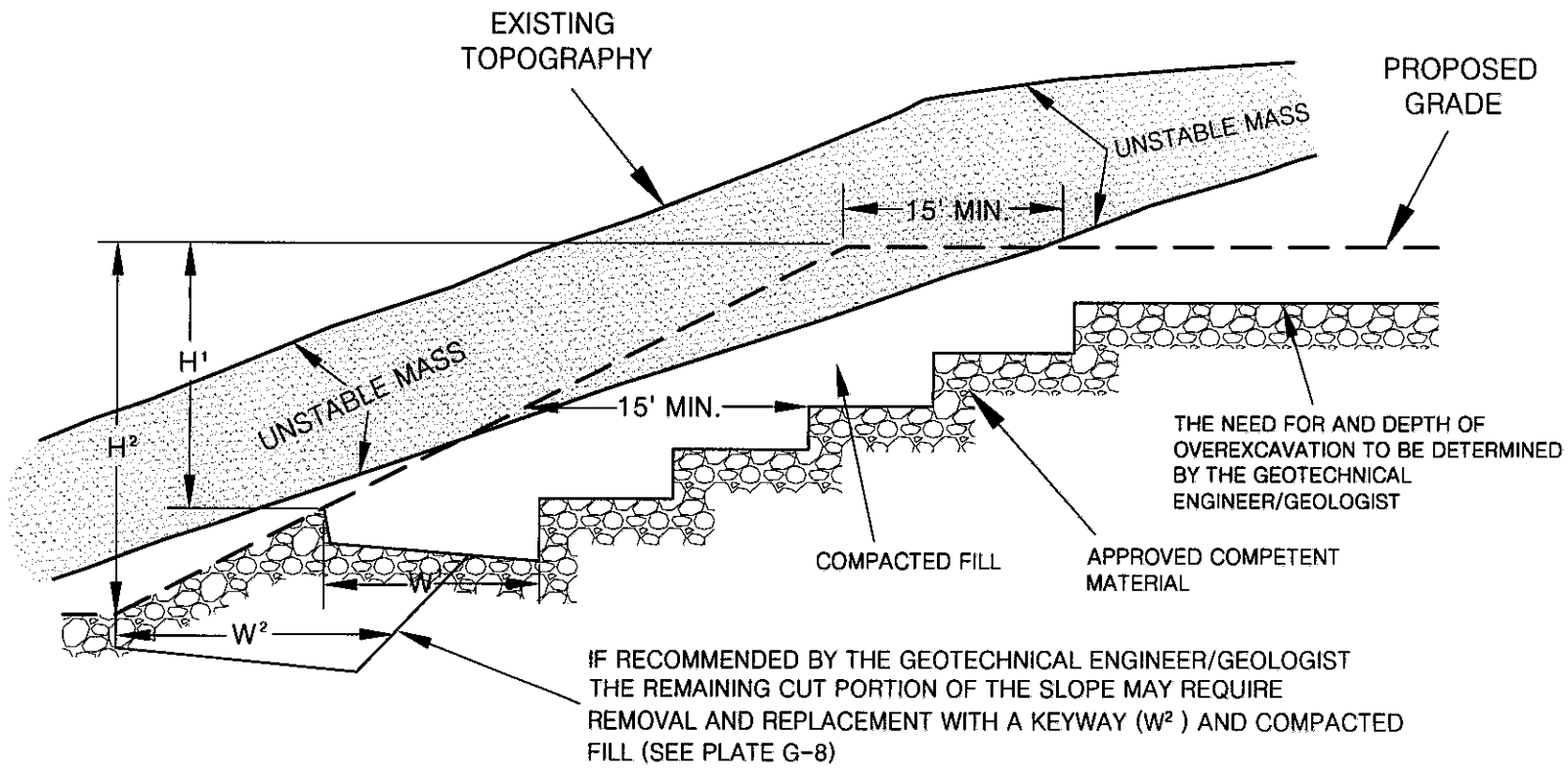
STABILIZATION FILL

(UPSLOPE ALLUVIATED AREA)



* FOR SLOPE HEIGHTS LESS THAN 30 FT. SLOPES GREATER THAN 30 FT., KEY WIDTH IS SLOPE HEIGHT DIVIDED BY 2

SELECTIVE GRADING DETAIL FOR STABILIZATION FILL
UNSTABLE MATERIAL EXPOSED IN PORTION OF CUT SLOPE



NOTES: 1. BACKDRAINS ARE NOT REQUIRED UNLESS SPECIFIED.

2. "W" SHALL BE EQUIPMENT WIDTH (15') FOR SLOPE HEIGHT LESS THAN 25 FEET. FOR SLOPES GREATER THAN 25 FEET, "W" SHALL BE DETERMINED BY THE PROJECT GEOTECHNICAL ENGINEER/GEOLOGIST. AT NO TIME SHALL "W" BE LESS THAN H/2.

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PLATE G-10

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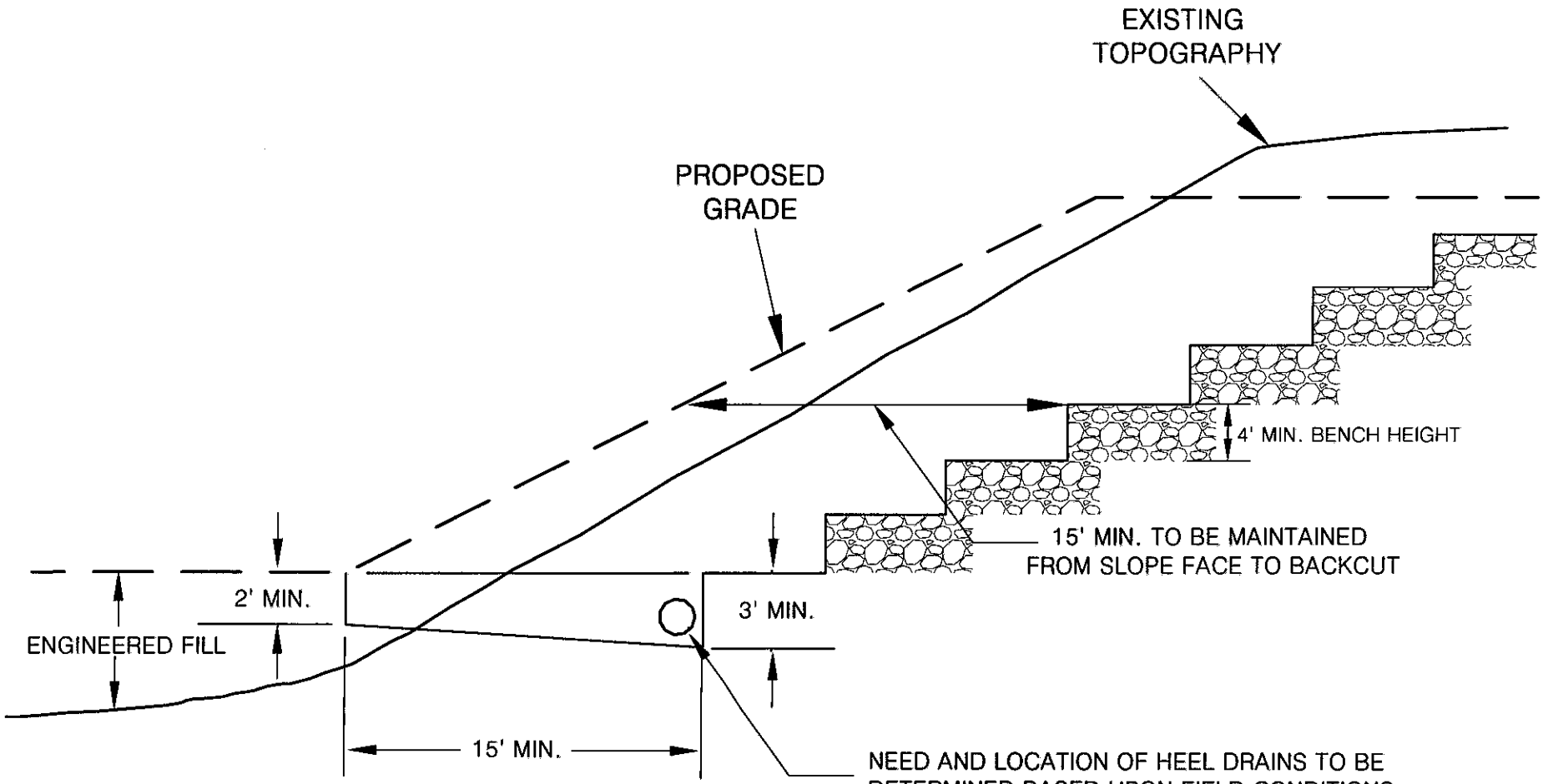
SKIN FILL SLOPE OVER NATURAL GROUND



MIN. KEY DIMENSIONS 15'X2'X3' FOR
SLOPE HEIGHTS LESS THAN 30 FT.
SLOPES GREATER THAN 30 FT., KEY
WIDTH IS SLOPE HEIGHT DIVIDED BY 2

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PLATE G-11

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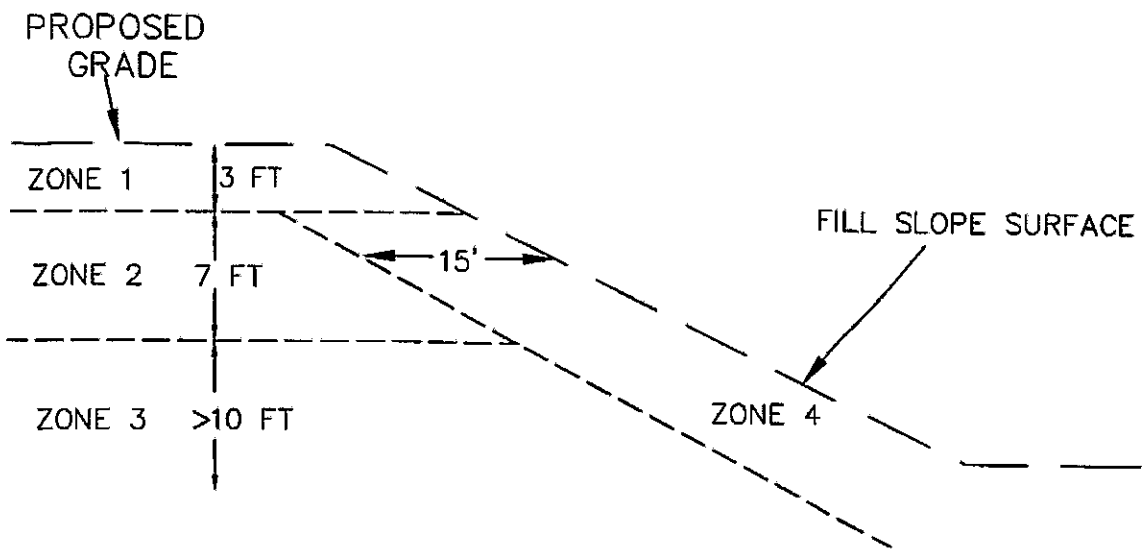
DETAIL FOR MAXIMUM PARTICLE DIMENSION



ZONE	DEPTH	PARTICLE MAX. DIMENSION	PLACEMENT METHOD
1	0-3 ft.	≤1.0 ft.	STANDARD OR CONVENTIONAL COMPACTION METHODS (SEE EARTHWORK SPECIFICATIONS)
2	3-10 ft.	≤2.0 ft.	ROCK BLANKETS (SEE PLATE G-13)
3	>10 ft.	≤8.0 ft.	ROCK BLANKETS (PLATE G-13) ROCK WINDROW (PLATE G-14) INDIVIDUAL ROCK BURIED (PLATE G-15)
4	15 HORIZONTAL FEET FROM FILL SLOPE FACE	≤1.0 ft.	STANDARD OR CONVENTIONAL COMPACTION METHODS (SEE EARTHWORK SPECIFICATIONS)

ALTA CALIFORNIA GEOTECHNICAL, INC.
VER. 2/15

PLATE G-12

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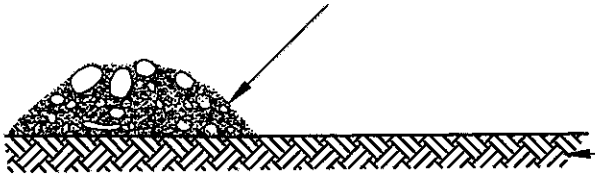
ROCK BLANKET DETAILS

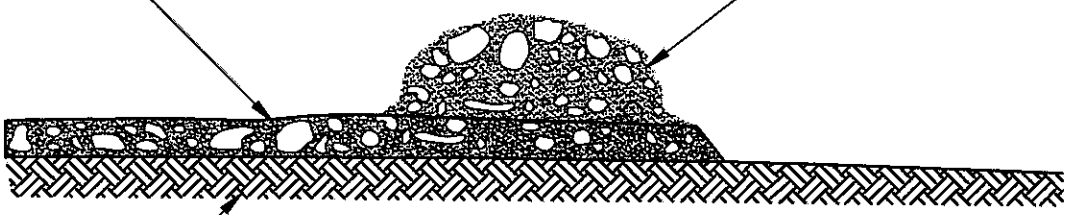
LOOSE PILE 1
LOOSE, DUMPED ROCK, GRAVEL AND SAND MIXTURE REMOVE FRAGMENTS LARGER THAT 2 FEET FOR ISOLATED BURIAL (PLATE G-15) OR WINDROW (PLATE G-10)



APPROVED BOTTOM, OR TOP OF PREVIOUSLY APPROVED BLANKET FILL

COMPACT PILE 1
SPREAD LOOSE PILE FORWARD WITH HEAVY TRACKED DOZER (D-8 OR LARGER). HEAVILY WATER, TRACK, AND APPLY ADDITIONAL SAND AND GRAVEL AS NECESSARY TO FILL VOIDS AND CREATE A DENSE MATRIX OF ROCK, COBBLES, GRAVEL AND SAND (2 FOOT MAXIMUM THICKNESS)

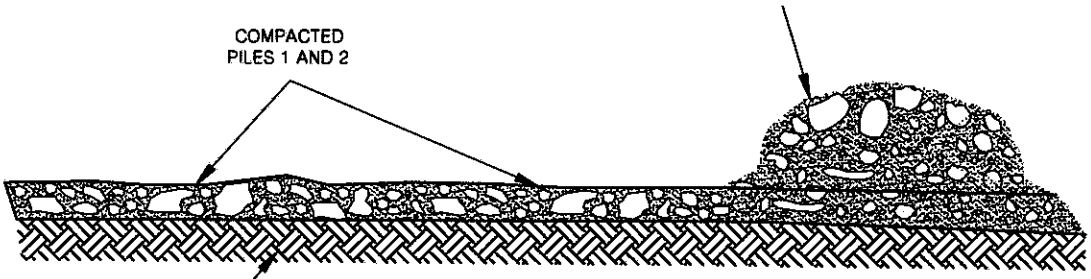
LOOSE PILE 2
DUMP SUCCESSIVE PILES OF LOOSE ROCK, GRAVEL AND SAND MIXTURE ON FORWARD EDGE OF PREVIOUSLY COMPACTED LIFT WITH TRUCKS AND/OR SCRAPERS. USE PREVIOUS LIFT TO ACCESS AND FURTHER COMPACT PILE 1.



APPROVED BOTTOM, OR TOP OF PREVIOUSLY APPROVED BLANKET FILL

LOOSE PILE 3
DUMP SUCCESSIVE PILES OF LOOSE ROCK, GRAVEL AND SAND MIXTURE ON FORWARD EDGE OF PREVIOUSLY COMPACTED LIFT WITH TRUCKS AND/OR SCRAPERS. USE PREVIOUS LIFT TO ACCESS AND FURTHER COMPACT EXISTING BLANKET.

COMPACTED PILES 1 AND 2

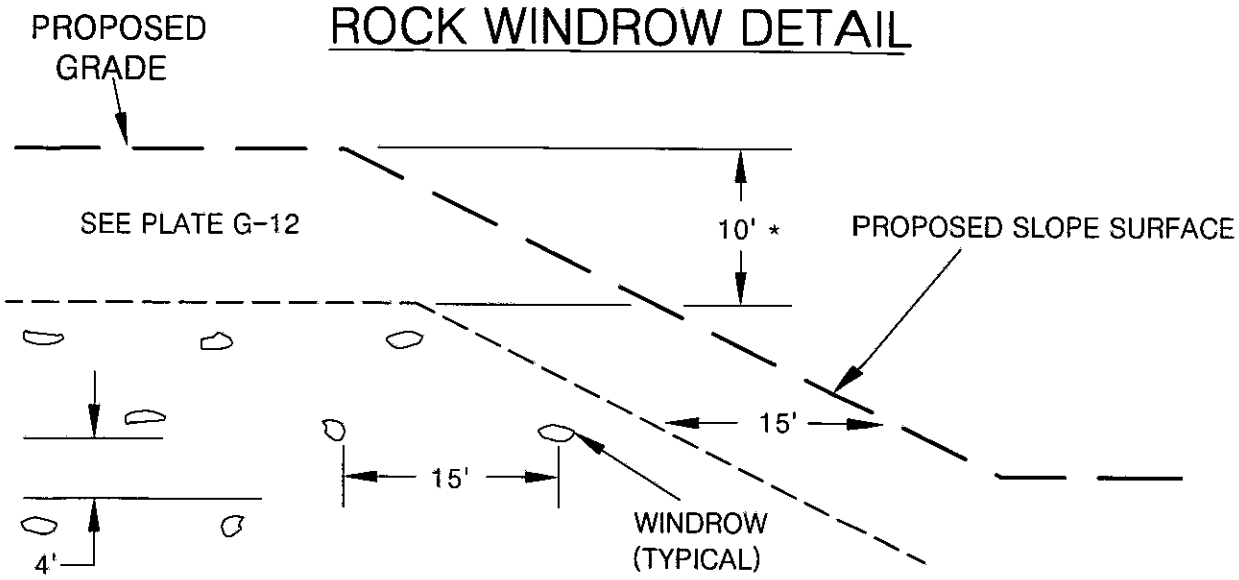


APPROVED BOTTOM, OR TOP OF PREVIOUSLY APPROVED BLANKET FILL

OBSERVATION TESTING AND APPROVAL PROCEDURES

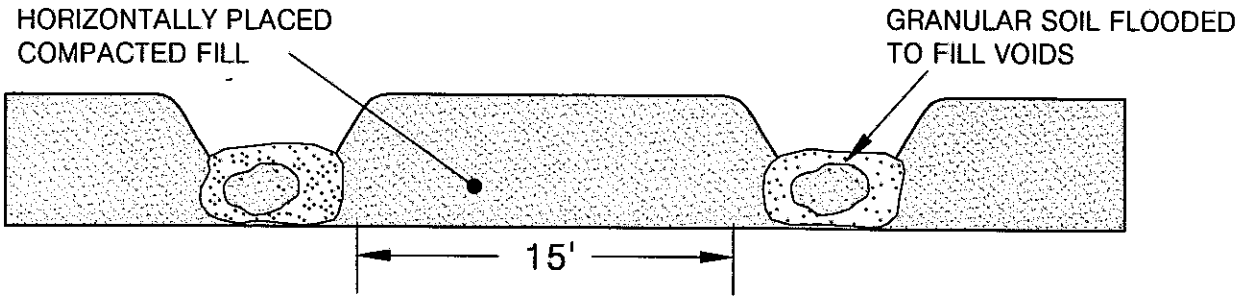
OBSERVE EQUIPMENT. SCRAPERS AND TRUCKS SHOULD BE FULLY SUPPORTED ON BLANKET WITHOUT SIGNIFICANT YIELDING. EXCAVATE TEST/OBSERVATION PITS TO CONFIRM EXISTENCE OF MIXTURE OF VARIOUS PARTICLE SIZES, WITHOUT SIGNIFICANT VOIDS, AND FORMING A DENSE, COMPACTED FILL MATRIX. TEST BY ASTM D1556, D2922 AND/OR D3017 WHEN APPROPRIATE. RECORD LIMITS AND ELEVATION OF BLANKET. ALL FILL AND COMPACTION OPERATIONS TO BE CONDUCTED UNDER THE OBSERVATION OF THE GEOTECHNICAL ENGINEER. SUBSEQUENT LIFTS TO BE APPLIED ONLY AFTER OBSERVATION AND CONFIRMATION OF SUITABILITY OF FILL AND RELEASE BY THE GEOTECHNICAL ENGINEER. BLANKETS TO BE CONSTRUCTED IN ACCORDANCE WITH PLATE G-12.

ROCK WINDROW DETAIL



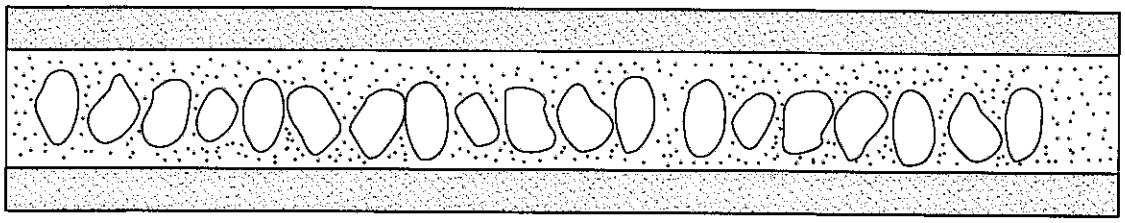
NOTE: OVERSIZED MATERIAL SHOULD BE REMOVED FROM THE 15' CLEAR ZONES WITH SPECIAL EQUIPMENT, SUCH AS A ROCK RAKE, PRIOR TO PLACING THE NEXT FILL LIFT.
*VARIANCES TO THE ABOVE ROCK HOLD DOWN MAY BE GRANTED SUBJECT TO APPROVAL BY THE OWNER, GEOTECHNICAL ENGINEER, AND GOVERNING AGENCY

TYPICAL WINDROW DETAIL (END VIEW)

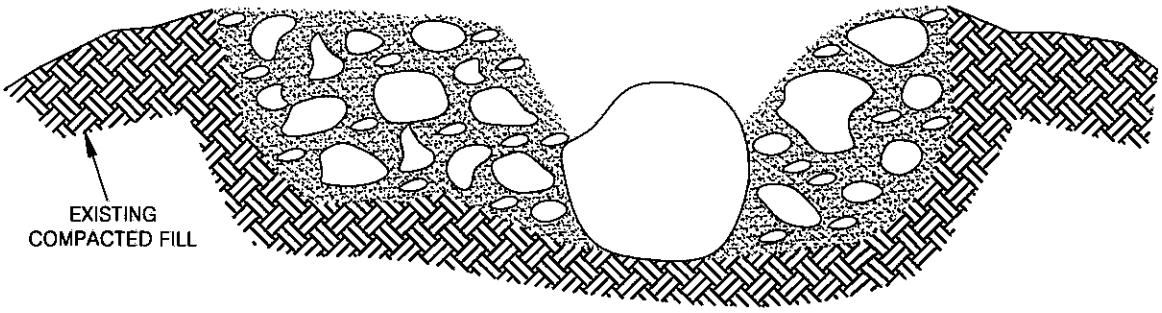


NOTE: COMPACTED FILL SHALL BE BROUGHT UP TO A HIGHER ELEVATION ALONG EACH WINDROW SO GRANULAR SOIL CAN BE FLOODED IN A "TRENCH CONDITION".

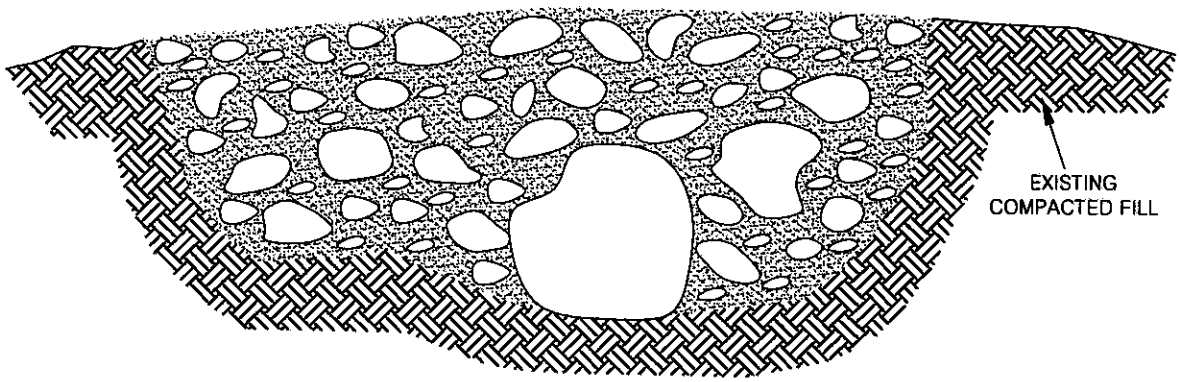
PROFILE VIEW



ISOLATED ROCK BURIAL DETAILS

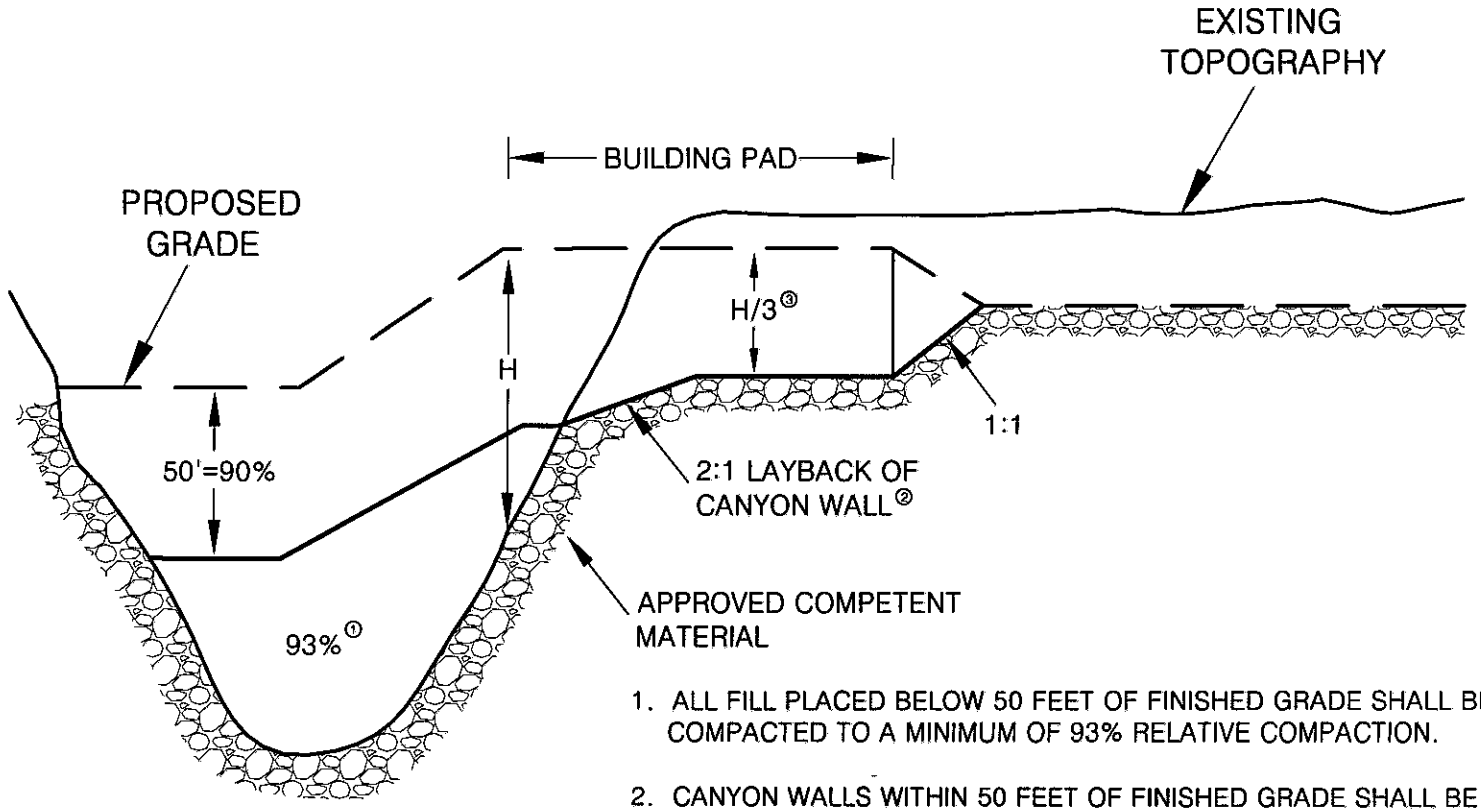


EXCAVATE HOLE INTO EXISTING FILL PRISM, PLACE BOULDER (< 8 feet in maximum dimension) INTO EXISTING COMPACTED FILL. SURROUND WITH SAND, GRAVEL, COBBLES AND WATER HEAVILY. TRACK WITH D8 OR LARGER EQUIPMENT UNTIL RESULTING FILL FULLY SUPPORTS EQUIPMENT. OBSERVE AND/OR TEST IN ACCORDANCE WITH ASTM D1556, D2922 OR D3017. ROCKS LARGER THAN 8 FEET SHALL BE FURTHER REDUCED IN SIZE BY SECONDARY BREAKING.



RELATIVE COMPACTION VS. DEPTH

CANYON WALL LAY BACK
DIFFERENTIAL FILL OVEREXCAVATION DETAILS



1. ALL FILL PLACED BELOW 50 FEET OF FINISHED GRADE SHALL BE COMPACTED TO A MINIMUM OF 93% RELATIVE COMPACTION.

2. CANYON WALLS WITHIN 50 FEET OF FINISHED GRADE SHALL BE LAID BACK TO A SLOPE RATIO OF 2:1 OR FLATTER.

3. ALL BUILDING PADS SHALL BE OVER EXCAVATED TO A MINIMUM OF 1/3 OF THE MAXIMUM DEPTH OF FILL BELOW THE BUILDING PAD TO A MAXIMUM OF 17 FEET.

4. IF THE 2:1 LAY BACK OF THE CANYON WALL IS IMPRACTICAL, THEN AS AN ALTERNATIVE THE INCREASED COMPACTION STANDARDS IN NOTE 1 SHOULD BE EXTENDED UP TO H/3 AND THE LAY BACK WILL NOT BE REQUIRED.

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VER. 3/12

PLATE G-16

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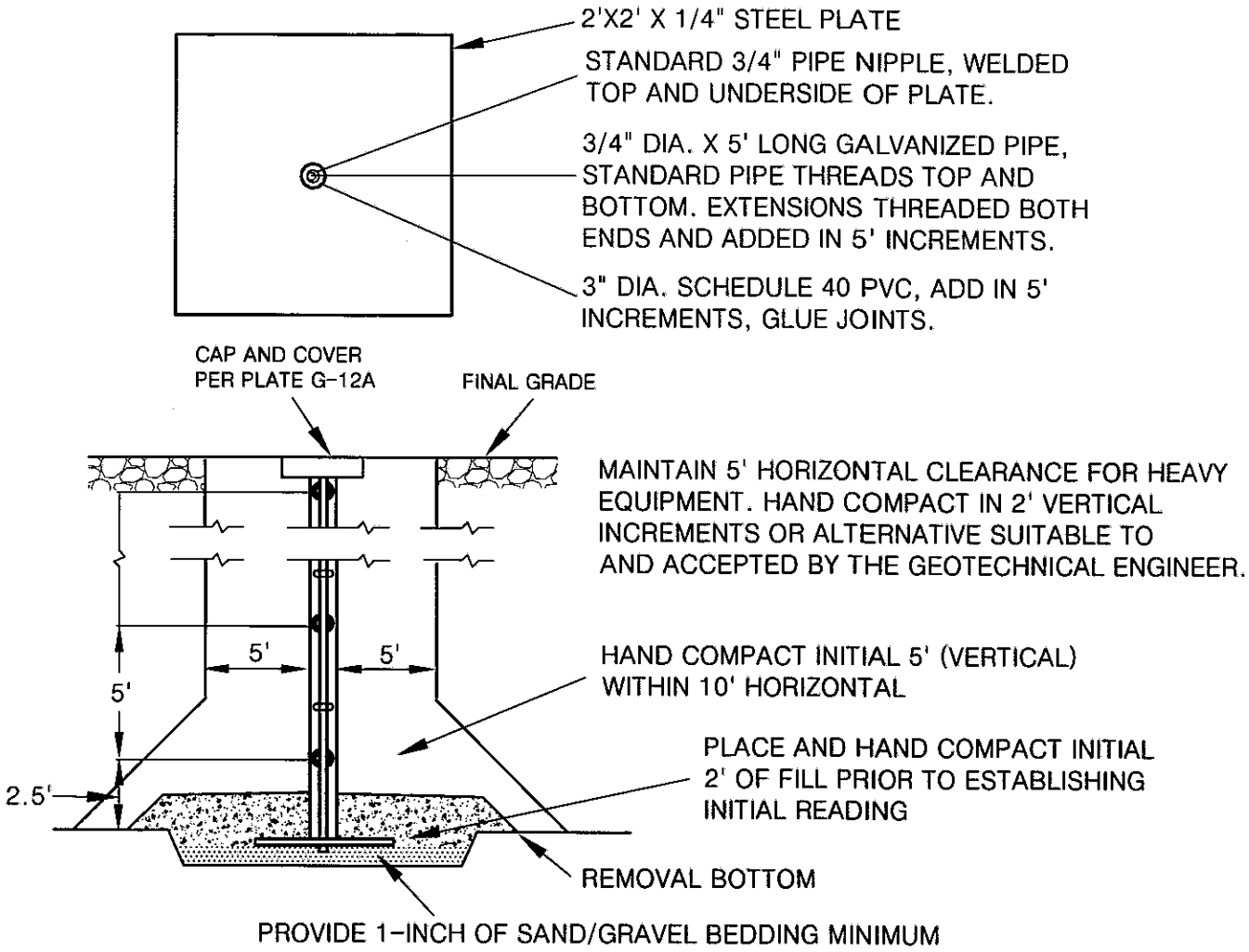
SETTLEMENT PLATE DETAIL



NOTES:

1) LOCATIONS OF SETTLEMENT PLATES SHALL BE CLEARLY MARKED AND READILY VISIBLE (RED FLAGGED) TO EQUIPMENT OPERATORS.

2) CONTRACTOR SHALL MAINTAIN 10' HORIZONTAL CLEARANCE FOR HEAVY EQUIPMENT WITHIN 5' (VERTICAL) OF PLATE BASE. FILL WITHIN CLEARANCE AREA SHALL BE HAND COMPACTED TO PROJECT SPECIFICATIONS OR COMPACTED BY ALTERNATIVE APPROVED BY THE GEOTECHNICAL ENGINEER.

3) AFTER 5' (VERTICAL) OF FILL IS IN PLACE, CONTRACTOR SHALL MAINTAIN 5' HORIZONTAL EQUIPMENT CLEARANCE. FILL IN CLEARANCE AREA SHALL BE HAND COMPACTED (OR APPROVED ALTERNATIVE) IN VERTICAL INCREMENTS NOT TO EXCEED 2 FEET.

4) IN THE EVENT OF DAMAGE TO SETTLEMENT PLATE OR EXTENSION RESULTING FROM EQUIPMENT OPERATING WITHIN PRESCRIBED CLEARANCE AREA, CONTRACTOR SHALL IMMEDIATELY NOTIFY GEOTECHNICAL ENGINEER AND SHALL BE RESPONSIBLE FOR RESTORING THE SETTLEMENT PLATE AND EXTENSION RODS TO WORKING ORDER.

SURFACE SETTLEMENT MONUMENT DETAIL

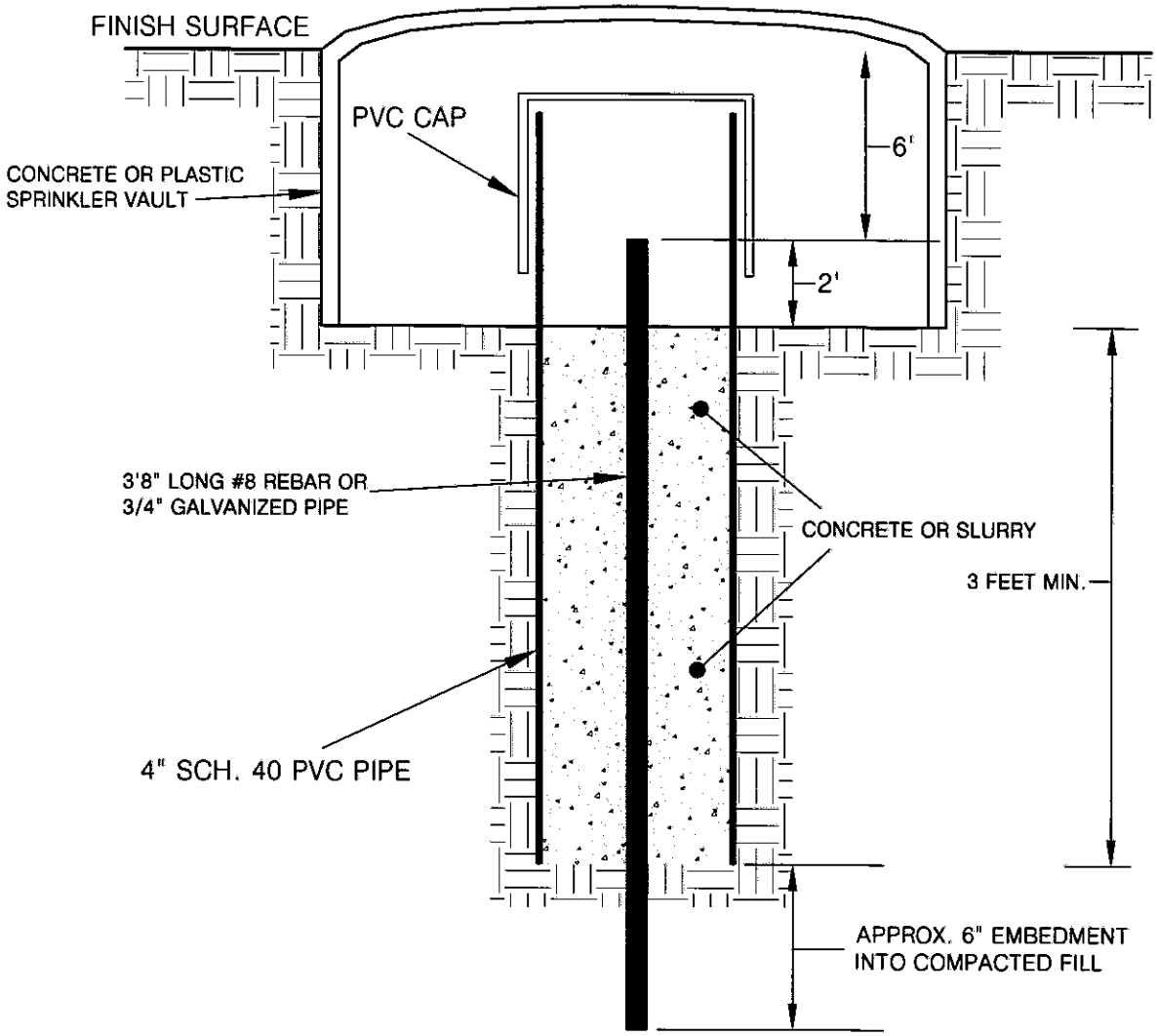


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PLATE G-18

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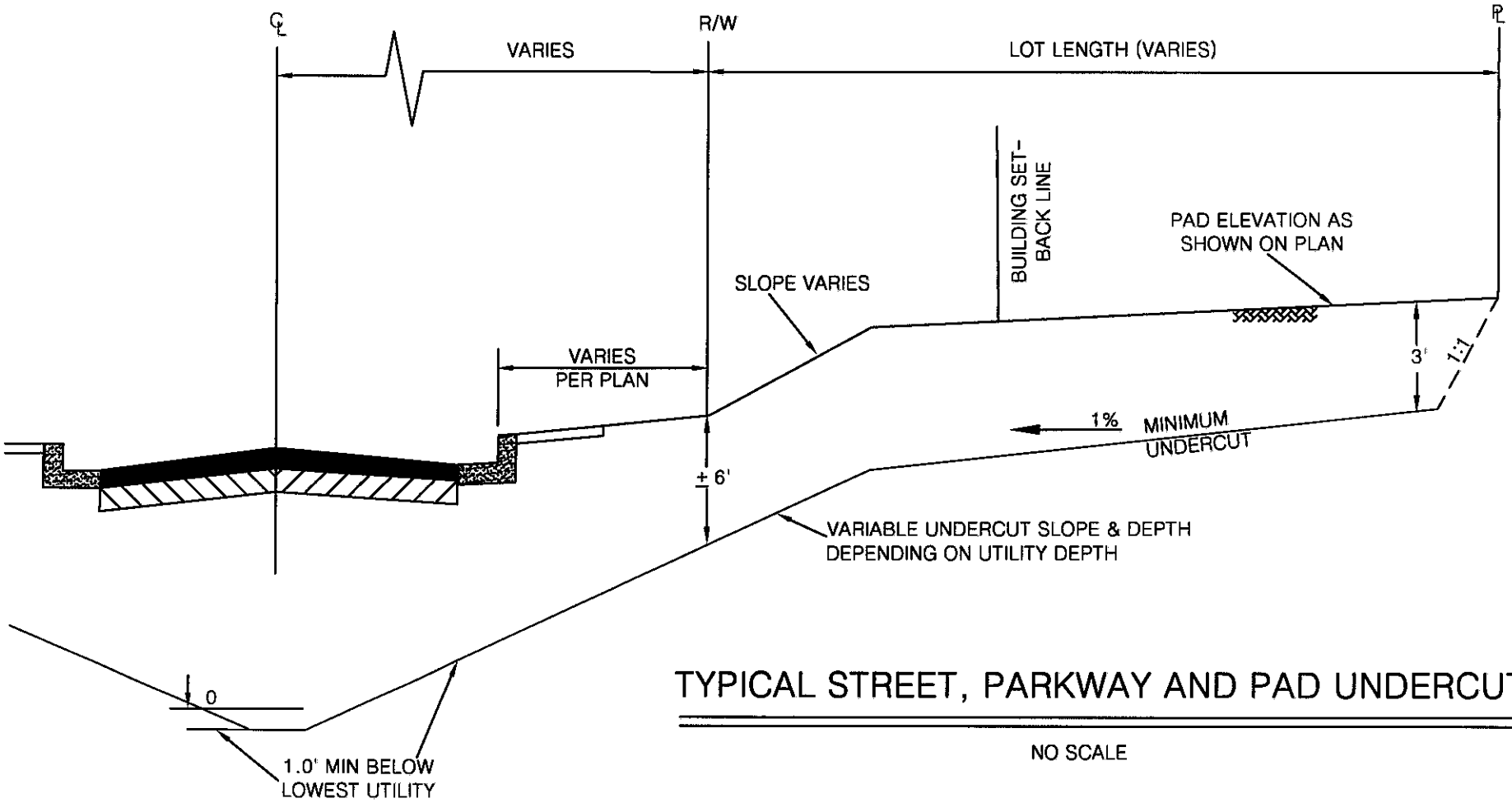

TYPICAL STREET, PARKWAY AND PAD UNDERCUT

NO SCALE

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VER. 3/13

PLATE G-19

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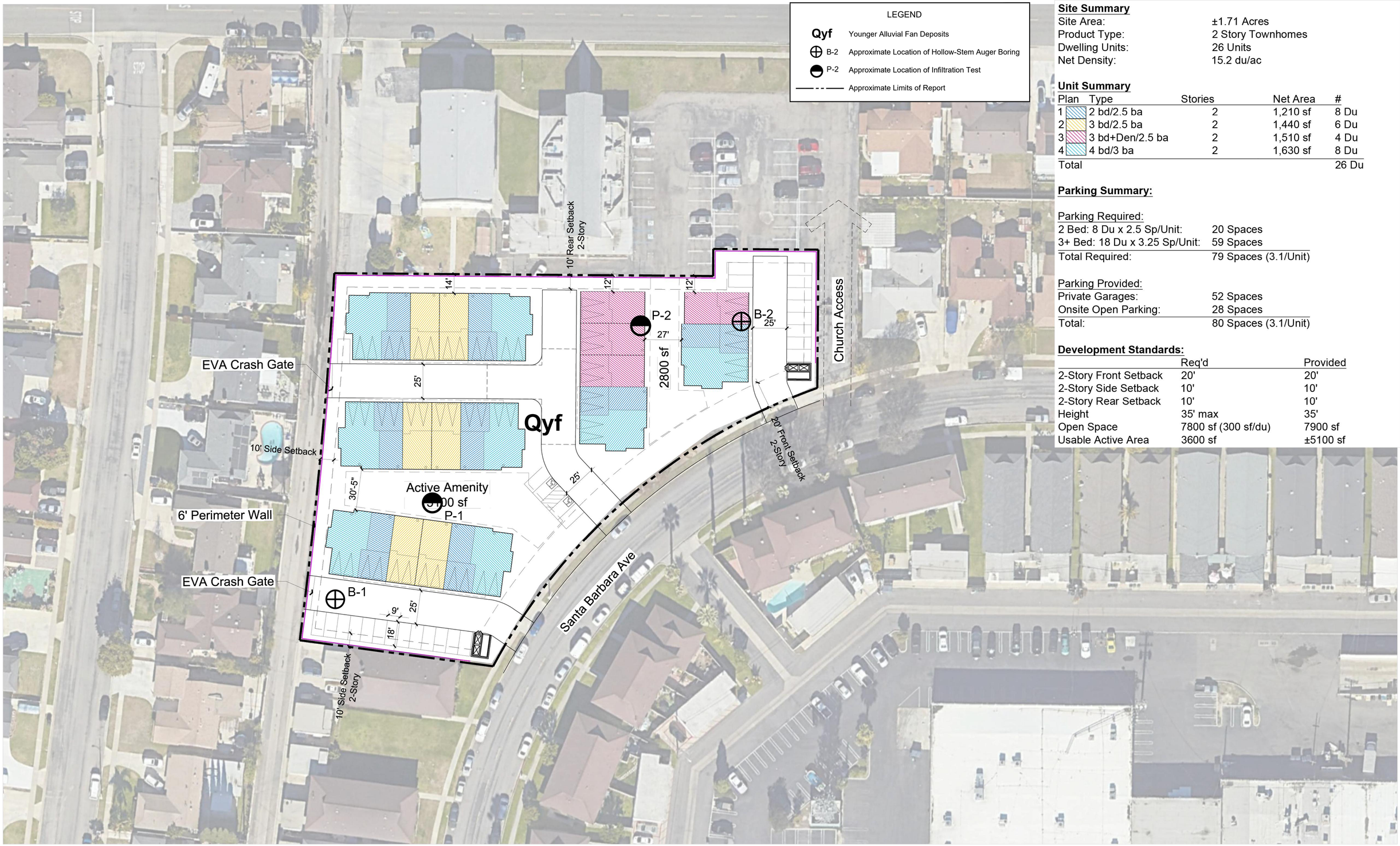

Site Summary

Site Area:	±1.71 Acres
Product Type:	2 Story Townhomes
Dwelling Units:	26 Units
Net Density:	15.2 du/ac

Unit Summary

Plan	Type	Stories	Net Area	#
1	2 bd/2.5 ba	2	1,210 sf	8 Du
2	3 bd/2.5 ba	2	1,440 sf	6 Du
3	3 bd+Den/2.5 ba	2	1,510 sf	4 Du
4	4 bd/3 ba	2	1,630 sf	8 Du
Total				26 Du

Parking Summary:

Parking Required:

2 Bed: 8 Du x 2.5 Sp/Unit:	20 Spaces
3+ Bed: 18 Du x 3.25 Sp/Unit:	59 Spaces
Total Required:	79 Spaces (3.1/Unit)

Parking Provided:

Private Garages:	52 Spaces
Onsite Open Parking:	28 Spaces
Total:	80 Spaces (3.1/Unit)

Development Standards:

	Req'd	Provided
2-Story Front Setback	20'	20'
2-Story Side Setback	10'	10'
2-Story Rear Setback	10'	10'
Height	35' max	35'
Open Space	7800 sf (300 sf/du)	7900 sf
Usable Active Area	3600 sf	±5100 sf

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BRANDYWINE HOMES

SANTA BARBARA TOWNHOMES
GARDEN GROVE, CA #2023-0821

CONCEPT DESIGN
DECEMBER 1, 2023

PLATE 1

0 15 30 60

ALTA CALIFORNIA GEOTECHNICAL, INC.
170 N. MAPLE STREET, STE 108, CORONA, CA 92880
TELEPHONE: (951) 509-7090
PROJECT NUMBER: 1-0506 DATE: Jan. 5, 2024

SITE PLAN
Alt 2

A1.1

Appendix F

Preliminary Due Diligence Report: 5802 Santa Catalina

Advanced Civil Group, Inc.

December 2023

PRELIMINARY DUE DILIGENCE REPORT: 5802 Santa Catalina

Proposed 30 Unit Townhouse Development

Garden Grove, California

ACG Project No. 106708

Dated: December 20, 2023

Site Location:

5082 Santa Catalina

Garden Grove, CA 92845

Prepared For:

Brandywine Homes

2355 Main Street, Suite 220

Irvine, CA 92614

(949) 296-2400

Prepared By:

Advanced Civil Group, Inc.

30251 Golden Lantern, Suite E PMB 251

Laguna Niguel, CA 92677

(866) 338-5778

www.advancedcivilgroup.com

Table of Contents

1.1 Purpose of Report 3
1.2 Project Description 4
1.3 Existing Site Conditions 4
2. Title Related Items 4
2.1 Access 4
2.2 Easements 4
3. Drainage 6
3.1 Existing Drainage and Drainage Infrastructure 6
3.2 Proposed Drainage Concept 7
3.3 Water Quality Management 7
3.4 FEMA Flood Insurance Rate Map Information 7
4. Sanitary Sewer 8
4.1 Existing Sewer Infrastructure 8
4.2 Proposed Sanitary Sewer Concept 10
5. Water 11
5.1 Existing Water Infrastructure 11
6. Entitlement and Development Considerations 12
6.1 Mapping 12
6.2 Grading, Earthwork and Demolition 12
7. Conclusion and Recommendations 12
Attachments 13

1. INTRODUCTION

1.1 Purpose of Report

The purpose of this due diligence report ("Report") is to provide Brandywine Homes ("Client") with information related to existing site conditions associated with the southerly 1.6+/- acre portion of property known as Assessor Parcel No. 224-212-01 ("Property") located South of Santa Catalina Ave, north of Santa Barbara Ave, and east of an alleyway in the City of Garden Grove ("City"), Orange County ("County"), California (see below Figure 1: Vicinity Map) and to identify civil related items that may impact feasibility of development of the Property with the project described below.

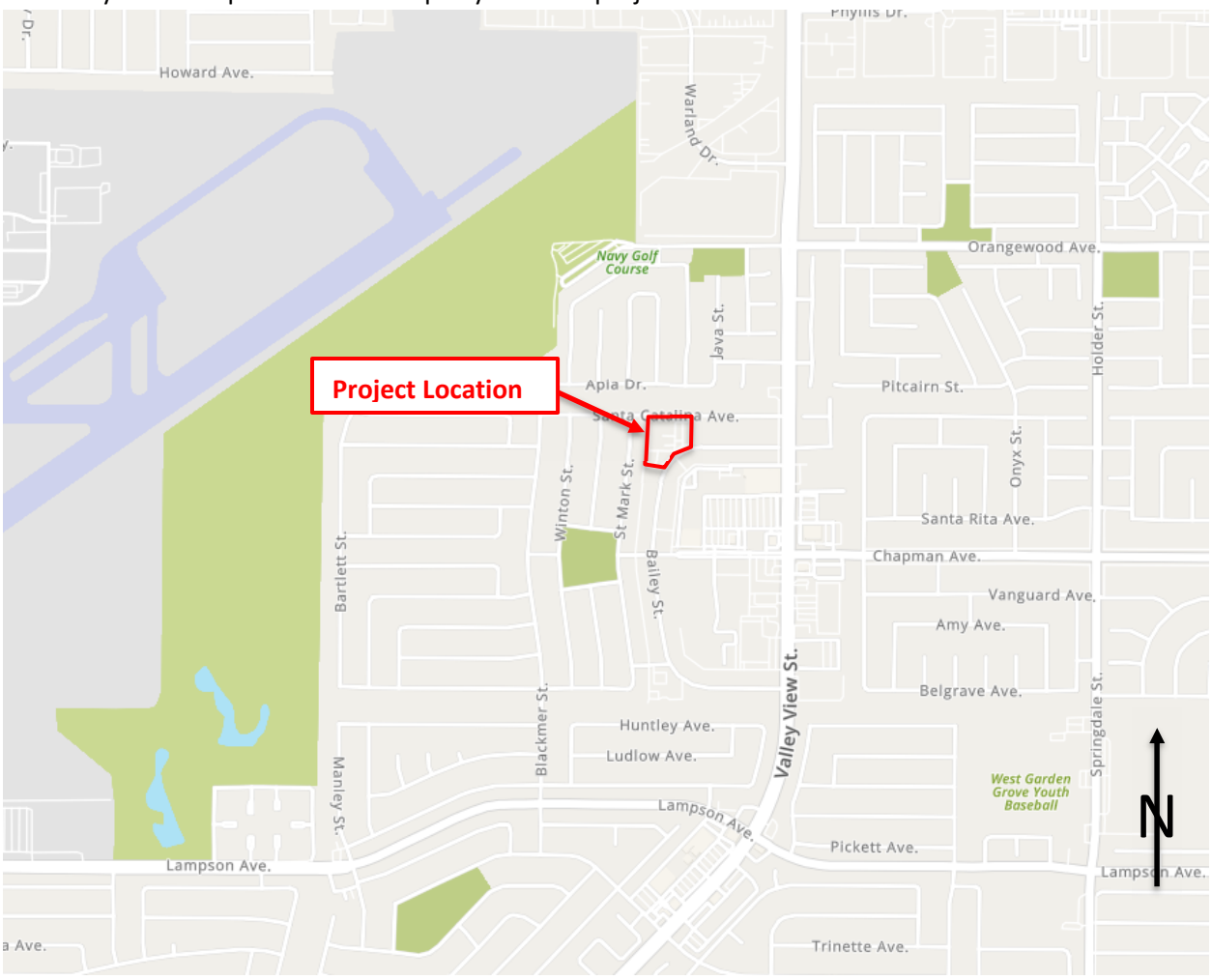


Figure 1: Vicinity Map
Source: Map Quest

1.2 Project Description

It is our understanding that Client is proposing a for sale townhome project consisting of 30 townhomes ("Project") on the Property.

1.3 Existing Site Conditions

Current Use – The Property is currently developed with one existing church building, two preschool buildings, and a parking lot.

Existing Site Improvements

- The Property has a flat pad area with an elevation of about 33 feet above mean sea level (MSL). The adjacent streets are generally lower than the flat pad area with elevations ranging from 30 feet above MSL to 31 feet above MSL.
- The existing street improvements in Santa Catalina Ave and Santa Barbara Ave adjacent to the Property are built to their ultimate condition with curb, gutter, and sidewalk.
- An existing 8-inch VCP City sewer line runs in Santa Catalina Ave and flows to the west. An existing 8-inch VCP City sewer line runs in Santa Catalina Ave and flows to the southwest.
- An existing 8-inch AC water line runs in Santa Catalina Ave. An existing 6-inch AC water line run in Santa Barbara Ave.
- There are no storm drain catch basins located near the property. There is a catch basin and concrete storm drain channel located approximately 2,000 ft south of the property.
- An existing power pole is located on the northwest side of the property and will remain in place to service the existing preschool. The power pole is not located on the Project
- Existing overhead utilities are located across the alleyway to the west of the property.

2. Title Related Items

2.1 Access

There are four existing driveway cutouts from public streets. Two from Santa Catalina Ave and two from Santa Barbara Ave. Both streets are owned and maintained by the City.

2.2 Easements

There are two easements noted on the exception section of the Property Title Report Order No.: OSA-7043468 (tc). Below is a quick description of each and how they impact future development.

Easement 1 – An easement for public utilities and incidental purposes in the document recorded as Book 5028, Page 430 of Official Records. This easement is 5 feet wide, runs through the property, and is located on the northly 1/3 of the property. The easement contains asphalt, a block wall, a church building, and a preschool building. The easement is located on the portion of the property to remain a church an is not located on the Project.

Easement 2 – An easement for public utilities and incidental purposes in the document recorded as Book 5028, Page 526 of Official Records. This easement is 6 feet wide, runs through the property, and is located on the northerly 1/3 of the property. The easement contains asphalt, a block wall, the church building, and preschool building. The easement is located on the portion of the property to remain a church an is not located on the Project.

In summary, we do not believe the easements noted above will have a negative impact on the development of the site as the proposed improvements are located south of the easements. Below is a plot showing the existing plottable easements.

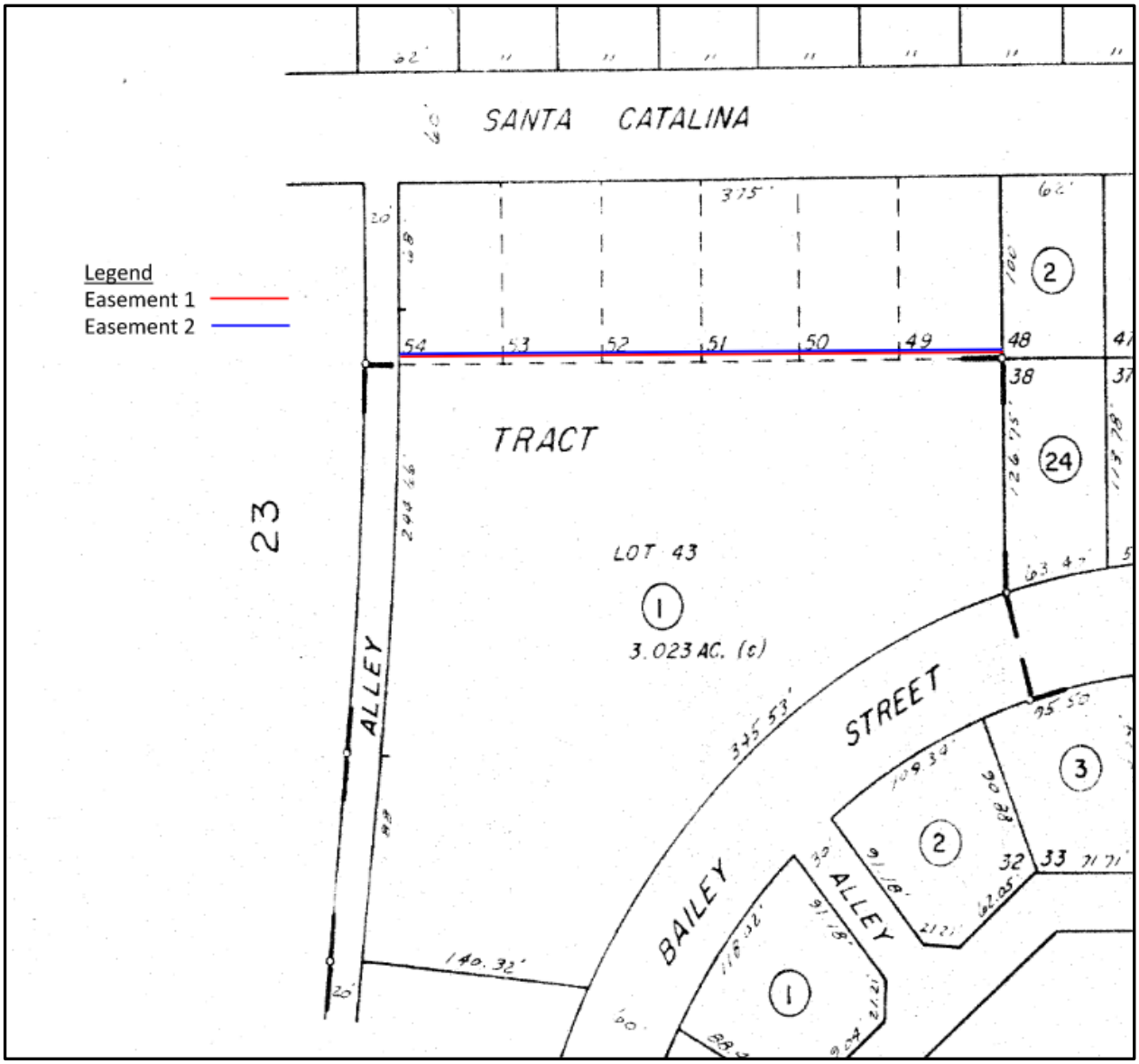


Figure 2: Plotted Easements
Source: First American Title Insurance Company

3. Drainage

3.1 Existing Drainage and Drainage Infrastructure

The property currently drains a portion of the runoff to the north onto Santa Catalina Ave as sheet flow into a street edge gutter, a portion to the south onto Santa Barbara Ave as sheet flow into a street edge gutter, and a portion to the west to the alley into a 6-foot-wide gutter running along the center of the alley. Drainage flows south to an existing catch basin and concrete channel approximately 2,000 feet away. No onsite storm drain infrastructure was found during the site reconnaissance and site survey.

The County's storm drain GIS map shows the noted existing catch basin and storm drain line approximately 2,000 feet south of the Property.

Figure 3: Existing Storm Drain Map
Source: Orange County Public Works

3.2 Proposed Drainage Concept

The Project is expected to keep a similar drainage pattern, the best drainage design would likely be to keep runoff above ground as much as possible by utilizing the interior streets to convey runoff towards the proposed driveways and emergency vehicle access on the perimeter of the Project. This will reduce the need for a large amount of onsite storm drain.

A structural Best Management Practice ("BMP") will likely be needed to capture and treat the runoff before discharging offsite as required by the County's Water Quality Management Plan ("WQMP") regulations. After being treated by a BMP, the runoff will likely need to drain onto Santa Barbara Ave or the alley with multiple 3-inch or 4-inch pipes that core through the existing curb.

3.3 Water Quality Management

The Project will trigger the need for WQMP BMP mitigation. The USDA Soil Survey lists the soil as Hydrologic Group A which generally has high infiltration characteristics. The Orange County Mapped Depth to First Groundwater shows that groundwater is slightly more than 10 feet below grade. Both the infiltration rate and groundwater depth will need to be confirmed by a geotechnical engineer. If infiltration is feasible then underground infiltration chambers can be installed to treat runoff. If infiltration is infeasible then a biofilter and pump can be installed to treat runoff.

The project is located in an area deemed by the WQMP design standards as a potential area to erosion, habitat, and physical structure susceptibility. The Project will need to address hydromodification requirements which require that runoff in the post-development condition for the 2-year, 24-hr storm event does not exceed that of the pre-development condition by more than 5%. The existing project is entirely impervious while the proposed project will include pervious landscape areas, thus hydromodification requirements should not impact the design. A hydromodification analysis will still be required to be run but it is not anticipated to be an issue or cause a negative impact.

We recommend these improvements and the WQMP BMP improvements be considered early in the site development stage of the Project to ensure adequate space is available for the improvements.

3.4 FEMA Flood Insurance Rate Map Information

The current FEMA Flood Insurance Rate Map ("FIRM") shows that the Property and surrounding properties are within the 0.2% Annual Chance Flood Hazard Zone X, see attached FIRMette.

4. Sanitary Sewer

4.1 Existing Sewer Infrastructure

The Property is located within the City's sanitary sewer service area. There is an existing 8-inch City sanitary sewer line located to the north in the Santa Catalina Ave centerline. There is also an existing 8-inch City sanitary sewer line located to the south in the Santa Barbara Ave centerline. Both sewer lines are at a depth of approximately 9 feet from surface to invert.

The Project is located in an area with a Calculated Capacity Deficiency which means that a flow study is needed to determine whether any additional sewer load can be added to the system. A flow study is currently being conducted for a new restaurant located in the shopping center to the southeast of the Project.

The current flow study is analyzing two locations downstream of the Project. The first location is at Laurelton Ave and St Mark St. The second location is at the end of the alley adjacent to the Belgrave Lift Station between 5742 Belgrave Ave and 5858 Belgrave Ave. The data from the flow tests will be shared by the City and can be used to assess whether the Project can be supported by the sewer system. The flow data will be available on or around January 16th.

Figure 4 below from the Garden Grove Sanitary District shows the City sanitary sewer system at the Property and the current sewer flow test locations.

Figure 4: Sanitary Sewer System Map
Source: Garden Grove Sanitary District

A lateral connecting to the 8-inch vitrified clay pipe (VCP) in Santa Catalina Ave appears to serve the existing buildings on the Property. Per as-built plans obtained from the City, the pipe is made of vitrified clay, which has an exceptionally long useful life.

4.2 Proposed Sanitary Sewer Concept

The best connection point for the future sewer system associated with the Project would be in Santa Barbara Ave and would potentially connect to an existing sewer manhole.

Connecting to the sewer line in Santa Catalina Ave was considered, however the sewer line in Santa Catalina Ave and Santa Barbara Ave reach a confluence point at St Mark Ave and Laurelton Ave where one of the sewer flow tests is currently being conducted for sewer line capacity.

If the flow study finds that there is insufficient capacity, then it may be possible to upsize the existing sewer mains downstream of the property. The sewer pipes that could be upsized are highlighted in Figure 5. The total length of upsizing could range from 150 ft to 800 ft depending on the results of the flow test. One of the sewer pipes that may need to be upsized runs between existing single-family homes at 5742 Belgrave Ave and 12212 St Mark St. The sewer line splits these two homes as well as two pools on the properties and would likely need homeowner permission to encroach on their properties.

A Sewer Will Serve Letter was requested from the City, however as noted above, a sewer flow study will be required to determine the pipe capacity.

Figure 5: Sanitary Sewer System Map Upsizing Location
Source: Garden Grove Sanitary District

5. Water

5.1 Existing Water Infrastructure

The Property is located within the City's water service area. There is an existing 8-inch AC City water line located approximately 5 feet from the north curb face in Santa Catalina Ave. There is also an existing 6-inch AC City water line located 5 feet from the north curb face in Santa Barbara Ave. An existing fire hydrant is located across Santa Catalina Ave to the North. There is also an existing fire hydrant across Santa Barbara Ave to the south.

As-builts for the noted water lines have been requested and received from the City.

A fire hydrant flow test was completed for both of the hydrants. The results are listed below:

Santa Catalina Ave

Static Pressure:	68 psi
Residual Pressure:	65 psi
Flow at Residual Pressure:	1,163 gpm
Rate of Flow at 20 psi:	5,000 gpm
Size of Water Main:	8-inch

Santa Barbra Ave

Static Pressure:	70 psi
Residual Pressure:	66 psi
Flow at Residual Pressure:	1,187 gpm
Rate of Flow at 20 psi:	4,640 gpm
Size of Water Main:	6-inch

See attached flow tests from City of Garden Grove Public Works detailing the results above. Water as-built plans are attached which show the water line locations.

5.2 Proposed Water Concept

The best connection point for the future water system associated with the Project would be along Santa Barbara Ave as this is the closest water line to the proposed improvements. It is anticipated that a public water meter will be required to be installed at the right-of-way. Water lines would be installed within the drive aisles with private water meters installed at each unit.

A Water Will Serve Letter was requested from the City, but has not yet been provided. We recommend a detailed water system hydraulic analysis be completed during the design development phase of the Project, but the existing water system is expected to have adequate supply and pressure for the Project.

6. Entitlement and Development Considerations

6.1 Mapping

The Project will need to go through a tentative tract map and final tract map recordation process in order to carve off the Project property. The project will also need to go through a tentative parcel map for condominium entitlement process and final parcel map recordation process along with condominium plan preparation to subdivide the Property. No significant mapping issues are anticipated.

6.2 Grading, Earthwork and Demolition

The proposed site design includes at grade drive isles that will be accessible from Santa Barbara Ave and from the alleyway to the west. Units fronting the alleyway will have a direct driveway connection to the garage from the alleyway. This design will be accomplished with relatively balanced earthwork. Adequate space should be planned for stairs to front doors in areas with grade differences.

7. Conclusion and Recommendations

Development of the Property as proposed appears to be feasible from a civil engineering perspective. Unique items to consider when reviewing site design, estimated costs, and Property underwriting are listed below.

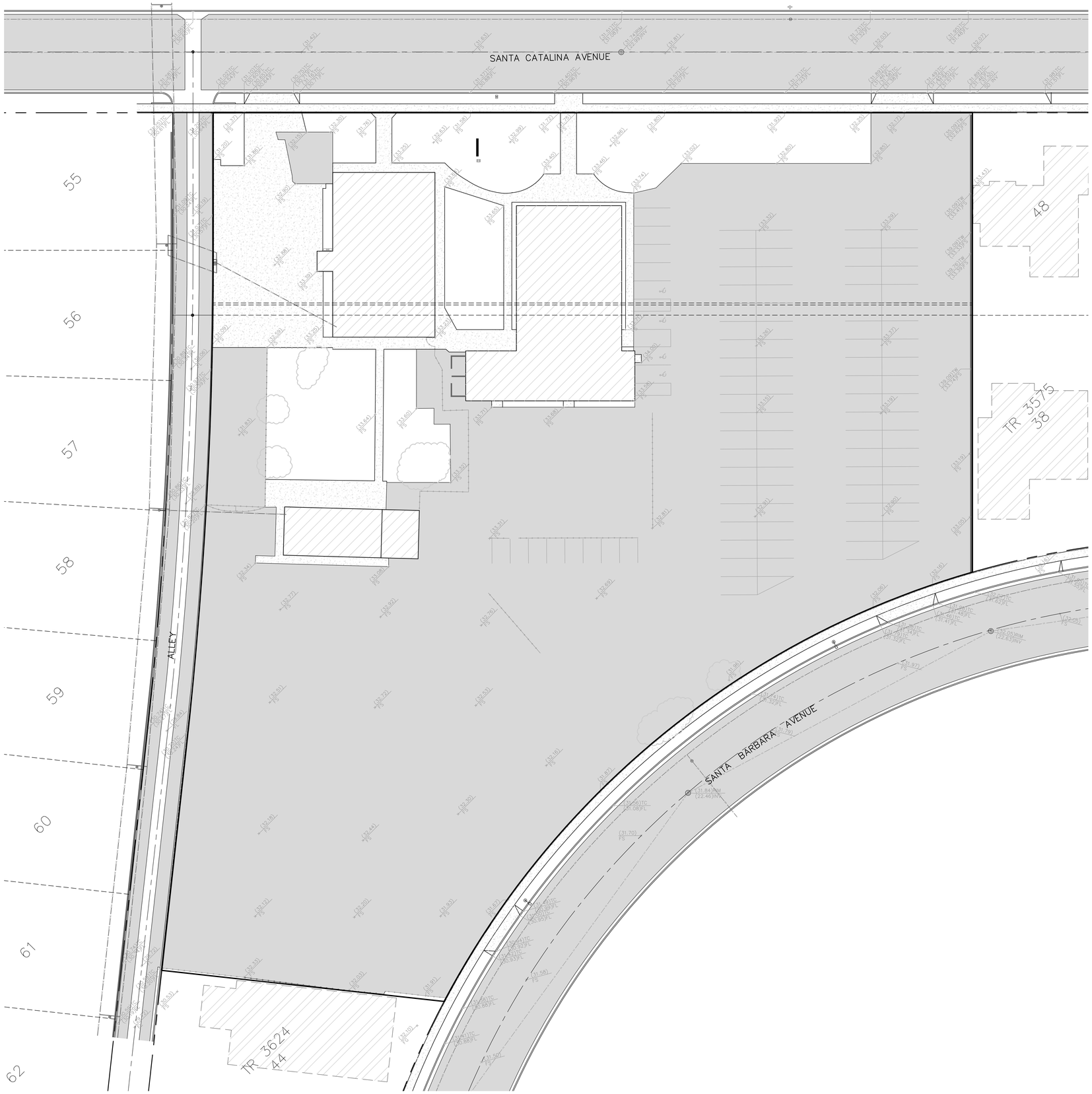
- A sewer flow study will be required as the Project is located in an area with a Calculated Capacity Deficiency. A sewer flow test for a nearby project is currently under way. The data from this flow test will be shared with us and can be used for a sewer flow study.
- The layout and depth of the drainage improvements and WQMP BMPs for infiltration or biotreatment should be considered in the early stages of the site plan development to ensure adequate space is available.
- The Project is located in a hydromodification zone, however the Project is reducing the total impervious area of the site so this will likely not have a negative impact on the water quality system design.
- The Project will need to go through a tentative tract map and final tract map recordation process in order to carve off the Project property.
- The project will also need to go through a tentative parcel map for condominium entitlement process and final parcel map recordation process along with condominium plan preparation to subdivide the Property.

Attachments

TOPOGRAPHIC SURVEY
5802 SANTA CATALINA AVENUE

LEGEND:

- EX PALM TREE
- EX TREE
- EX SEWER MANHOLE
- EX STREETLIGHT
- EX FIRE HYDRANT
- EX UTILITY BOX
- EX STORM DRAIN MANHOLE
- EX CATCH BASIN
- EX POWER POLE
- EX TRAFFIC LIGHT
- EX UNDERGROUND UTILITY VAULT
- EX IRRIGATION METER
- EX ELECTRICAL METER
- EX WATER VALVE COVER
- EX WATER METER
- EX MANHOLE
- EX STREET SIGN
- EX BOLLARD
- EX MONUMENT
- EX TRANSFORMER
- EX FIRE WATER STRUCTURE
- EX GAS STRUCTURE
- EX GAS VALVE
- EX PROPERTY BOUNDARY
- EX STREET CENTERLINE
- EX RIGHT-OF-WAY
- EX PROPERTY LINE
- EX MAJOR CONTOUR
- EX MINOR CONTOUR
- EX SEWER LINE
- EX DOMESTIC WATER LINE
- EX FIRE WATER LINE
- EX RECYCLED WATER LINE
- EX STORM DRAIN LINE
- EX OVERHEAD ELECTRIC
- EX UNDERGROUND ELECTRIC
- EX GAS LINE
- EX IRON FENCE
- EX CHAIN LINK FENCE
- EX WOOD FENCE
- EX BLOCK WALL
- EX PLANTER WALL
- EX RETAINING WALL
- EX CURB AND GUTTER
- EX CHAIN LINK FENCE
- EX STRIPING
- EX SLOPE
- EX CONCRETE
- EX STRUCTURE FOOTPRINT
- EX ASPHALT
- EX STRIPING
- EX ADA PARKING SPACE



PROPERTY ADDRESS:

5802 SANTA CATALINA AVENUE,
GARDEN GROVE, CA 92845

ASSESSOR PARCEL NUMBER:

APN'S: 224-212-01

BENCHMARK:

FOUND 2 ½" BRONZE CITY OF GARDEN GROVE BENCHMARK DISK WITH PUNCH IN TRIANGLE, SET IN THE EASTERLY CORNER OF A 6 FT. BY 8 FT. CONCRETE TRANSFORMER PAD. MONUMENT IS LOCATED IN THE NORTHWEST CORNER OF THE INTERSECTION OF VALLEY VIEW ST. AND LAMPSON AVE. 99 FT. NORTH OF THE B.C.R. AND 46 FT. WEST OF THE CURB FACE.

ELEV: 33.508 DATUM: NAVD88 YEAR LEVELED: 2012

BASIS OF BEARINGS

THE BEARINGS SHOWN HEREON ARE BASED ON THE BEARING OF SANTA CATALINA AVENUE BEING N89°45'30"W PER TRACT MAP 3575.

SCALE: 1"=20'

ADVANCED CIVIL GROUP

ADVANCED CIVIL GROUP INC.
30251 GOLDEN LANTERN,
SUITE E, PMB 251
LAGUNA NIGUEL, CA 92677
(866) 338-5778 PHONE
WWW.ADVANCEDCIVILGROUP.COM

SEAL-ENGINEER

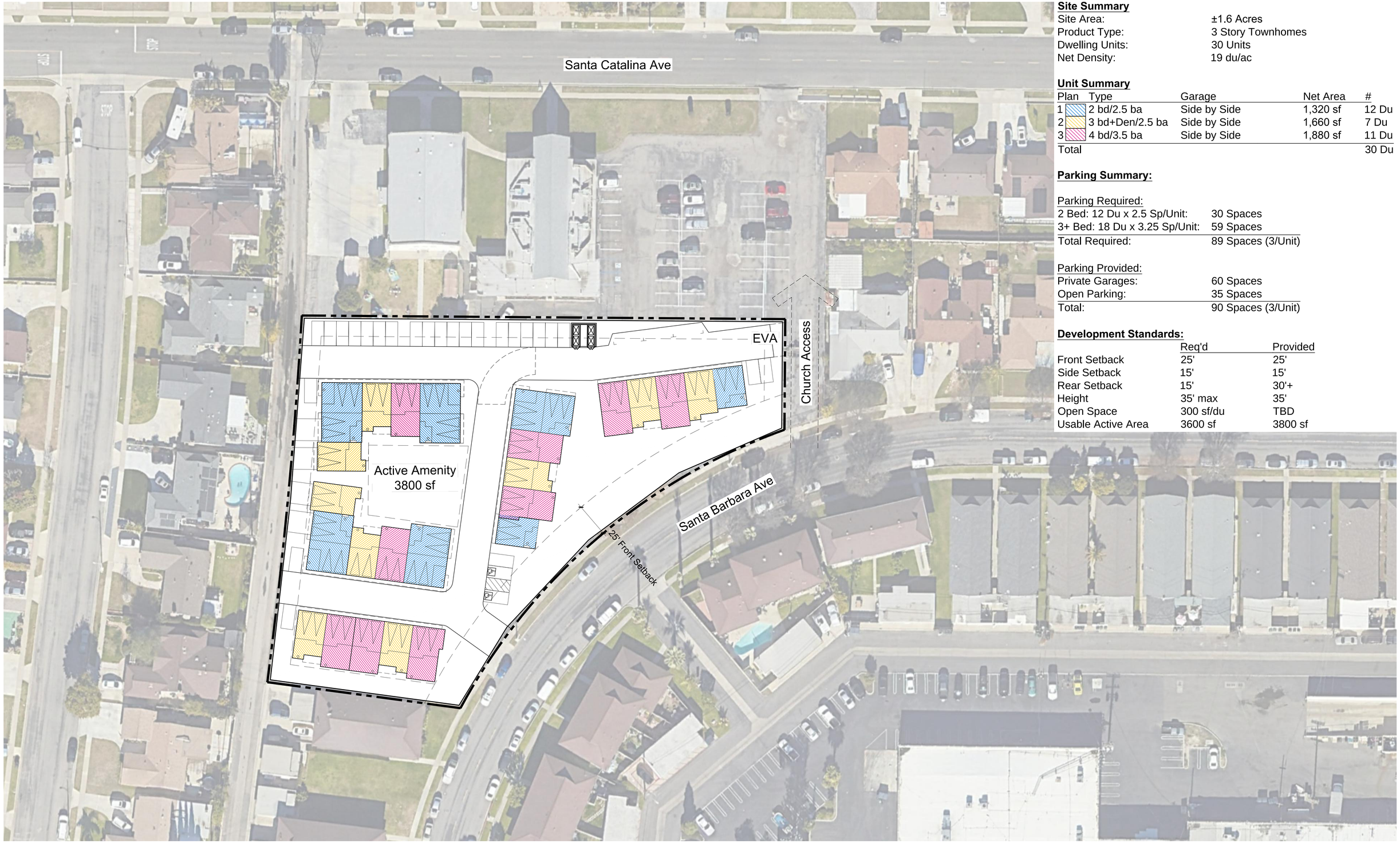
REGISTERED PROFESSIONAL ENGINEER
R. STEVEN AUSTIN
No. 68795
CIVIL
STATE OF CALIFORNIA

TOPOGRAPHIC SURVEY
5802 SANTA CATALINA AVENUE
GARDEN GROVE, CA

DRAWN BY: JRW
DESIGNED BY: JRW
CHECKED BY: RSA
APPROVED BY: RSA
DATE: 12/19/2023
REVISIONS:

PROJECT NUMBER: 106708

SHEET NO.
C-1
1 OF 1



Site Summary

Site Area:	±1.6 Acres
Product Type:	3 Story Townhomes
Dwelling Units:	30 Units
Net Density:	19 du/ac

Unit Summary

Plan	Type	Garage	Net Area	#
1	2 bd/2.5 ba	Side by Side	1,320 sf	12 Du
2	3 bd+Den/2.5 ba	Side by Side	1,660 sf	7 Du
3	4 bd/3.5 ba	Side by Side	1,880 sf	11 Du
Total				30 Du

Parking Summary:

Parking Required:

2 Bed: 12 Du x 2.5 Sp/Unit:	30 Spaces
3+ Bed: 18 Du x 3.25 Sp/Unit:	59 Spaces
Total Required:	89 Spaces (3/Unit)

Parking Provided:

Private Garages:	60 Spaces
Open Parking:	35 Spaces
Total:	90 Spaces (3/Unit)

Development Standards:

	Req'd	Provided
Front Setback	25'	25'
Side Setback	15'	15'
Rear Setback	15'	30'+
Height	35' max	35'
Open Space	300 sf/du	TBD
Usable Active Area	3600 sf	3800 sf

ktgy
Architecture + Planning
888.456.5849
ktgy.com

BRANDYWINE HOMES

SANTA BARBARA TOWNHOMES
GARDEN GROVE, CA #2023-0821

CONCEPT DESIGN
SEPTEMBER 27, 2023

0 15 30 60

SITE PLAN

A1.0

National Flood Hazard Layer FIRMette

FEMA

118°2'14"W 33°47'43"N

118°1'36"W 33°47'13"N

Feet

0 250 500 1,000 1,500 2,000

1:6,000

Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- B 20.2 17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
- 8 Coastal Transect
- 513 Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 12/13/2023 at 11:46 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

FIRE FLOW TEST
5802
SANTA CATALINA AVE
E-8

LEGEND

WATER

- FIRE HYDRANT
- GATE VALVE
- CHECK VALVE
- BUTTERFLY VALVE
- END CAP
- REDUCER
- WATER MAIN
- ABANDONED WATER MAIN

STORM DRAIN

- SD MANHOLE
- CATCH BASIN
- STORM DRAIN MAIN

CITY OF GARDEN GROVE PUBLIC WORKS
FIRE HYDRANT FLOW TEST

Type of F.H.	CLOW / WET BARREL	Atlas Sheet	E8
Fire Hyd. #	16493	Location of flowed FH	11852 Bailey St
Date of Test	12-12-2023	Weather Conditions	Sunny (No Clouds)

Pressure gauge placed on fire hydrant at: 5881 Santa Barbara Ave

		Test1		Test2	
1.	Static pressure before test	70	psi		psi
2.	Size of outlet to be flowed	2.5	inch		inch
3.	Time of flow test	07:46:55 AM			
4.	Average pitot reading during flow	50	psi		psi
5.	Average pressure reading during flow (Residual Pressure)	66	psi		psi
6.	Drawdown (1 minus 5)	4	psi		psi
7.	Rate of flow computed at residual press	1187	gpm		gpm
8.	Rate of flow computed at 20 psi residual	4640	gpm		gpm
9.	Time of day flow ended	07:49:00 AM			
10.	Pressure reading after flow at hose bib	69	psi		psi
11.	Total time water flowed (3 minus 9)	2.078	min		min
12.	Water wasted during test (7 times 11)	2466	gals		gals

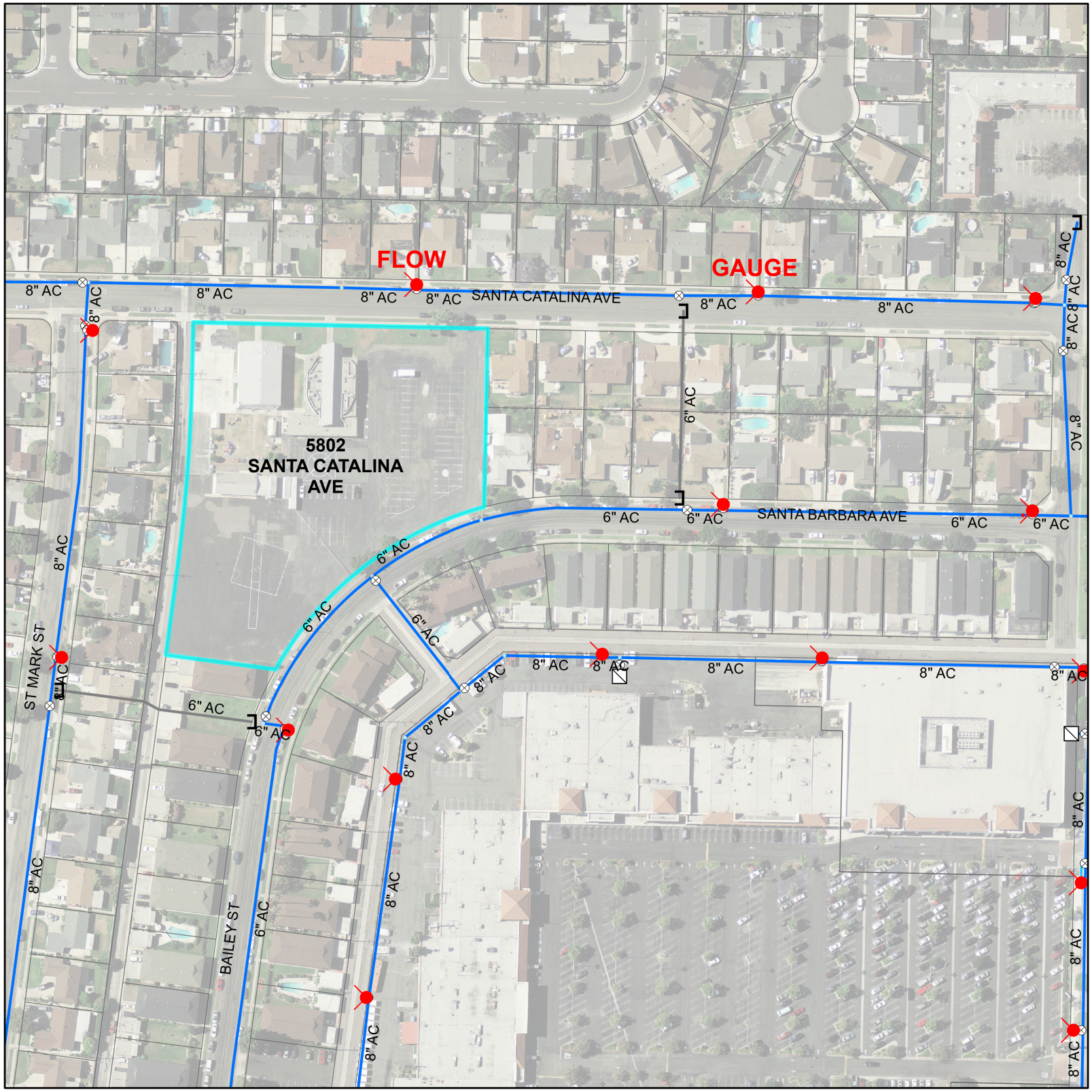
REMARKS :

Test Conducted By : Tyler Meislahn / Vidal Jimenez

Test Reviewed By Engineer : Carina Dan

Test Posted By : Tommy Son

FIRE FLOW TEST
5802
SANTA CATALINA AVE
E-8



LEGEND

WATER

- FIRE HYDRANT
- GATE VALVE
- CHECK VALVE
- BUTTERFLY VALVE
- END CAP
- REDUCER
- WATER MAIN
- ABANDONED WATER MAIN

STORM DRAIN

- SD MANHOLE
- CATCH BASIN
- STORM DRAIN MAIN

CITY OF GARDEN GROVE PUBLIC WORKS
FIRE HYDRANT FLOW TEST

Type of F.H.	CLOW / WET BARREL	Atlas Sheet	A1
Fire Hyd. #	16508	Location of flowed FH	5802 Santa Catalina Ave
Date of Test	12-12-2023	Weather Conditions	Sunny (No Clouds)

Pressure gauge placed on fire hydrant at: 5891 Santa Catalina Ave

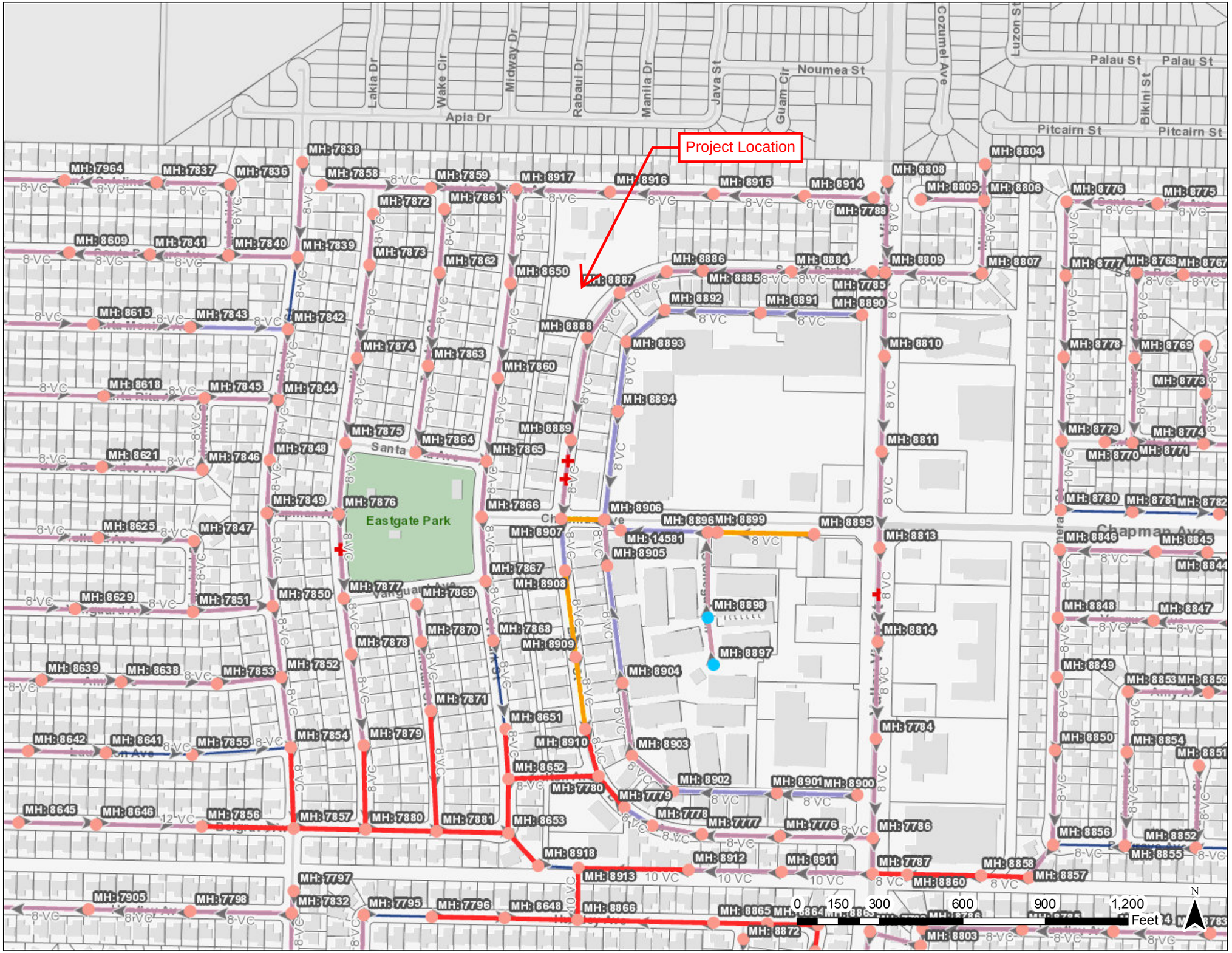
		Test1		Test2	
1.	Static pressure before test	68	psi		psi
2.	Size of outlet to be flowed	2.5	inch		inch
3.	Time of flow test	07:28:47 AM			
4.	Average pitot reading during flow	48	psi		psi
5.	Average pressure reading during flow (Residual Pressure)	65	psi		psi
6.	Drawdown (1 minus 5)	3	psi		psi
7.	Rate of flow computed at residual press	1163	gpm		gpm
8.	Rate of flow computed at 20 psi residual	5200	gpm		gpm
9.	Time of day flow ended	07:31:58 AM			
10.	Pressure reading after flow at hose bib	69	psi		psi
11.	Total time water flowed (3 minus 9)	3.179	min		min
12.	Water wasted during test (7 times 11)	3697	gals		gals

REMARKS :

Test Conducted By : Tyler Meislahn / Vidal Jimenez

Test Reviewed By Engineer : Carina Dan

Test Posted By : Tommy Son



Park Info
School Info
Parcel Info
Dialysis Locations
Pest Treatments
Manhole Inspections

Manholes

Public
Private
OCSD Manholes

Hotspot Locations

1 MONTH
3 MONTH
6 MONTH

Pressurized Mains

Unknown
3, PRIVATE
4, GGSD
6, PRIVATE
8, PRIVATE
12, GGSD
Flow Direction
Sewer Repairs
Root Foamings

CCTV

p1
p1-2013
p2
p3
p2017

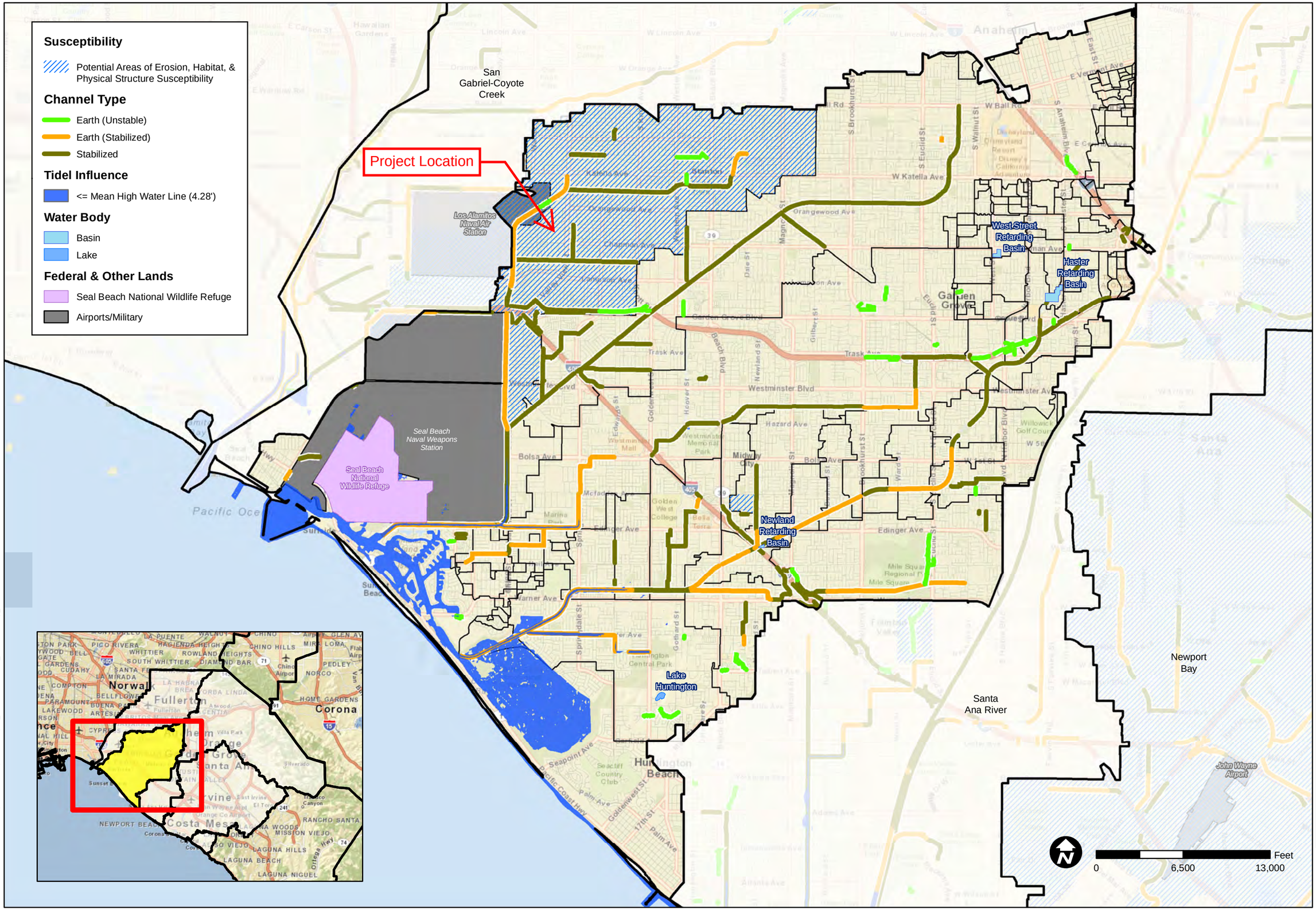
Gravity Mains

Unknown
10", <Null>
10", ANAHEIM
10", GGSD
10", PRIVATE
12", <Null>
12", GGSD
15", <Null>
15", ANAHEIM
15", GGSD
15", SANTA ANA
16", GGSD
18", <Null>
18", GGSD
21", GGSD
24", GGSD
4", GGSD
6", <Null>
6", GGSD
6", PRIVATE
6", PRIVATE
8", <Null>
8", ANAHEIM
8", GGSD
8", GGSD
8", PRIVATE
8", SANTA ANA
8", STANTON

Abandoned Gravity Mains

Unknown
4" Pipe
6" Pipe
8" Pipe
10" Pipe
12" Pipe
15" Pipe
18" Pipe
21" Pipe
24" Pipe
OCSD Mains

GARDEN GROVE



TITLE
SUSCEPTIBILITY ANALYIS
ANAHEIM BAY-
HUNTINGTON HARBOR

JOB
ORANGE COUNTY
WATERSHED
MASTER PLANNING
ORANGE CO. CA

SCALE	1" = 6500'
DESIGNED	TH
DRAWING	TH
CHECKED	BMP
DATE	04/22/10
JOB NO.	9526-E

PACE
Advanced Water Engineering

FIGURE
2

P:\9526E\6-GIS\Mxds\Workspace\SusceptibleAnalysis_20100422\9526E_AnaheimBay_20100331.mxd

Appendix G

Santa Catalina Townhomes Noise Impact Study, City off Garden Grove, California

RK Engineering

June 6, 2024

Revised August 30, 2024

November 6, 2024

Ms. Lindsay Ortega
SAGECREST PLANNING + ENVIRONMENTAL
27128 Paseo Espada, Suite 1524
San Juan Capistrano, CA 92675

Subject: Santa Catalina Townhomes Noise Impact Study, City of Garden Grove, California

Dear Ms. Ortega:

1.0 Introduction

RK ENGINEERING GROUP, INC. (RK) is pleased to provide this noise impact study for the proposed Santa Catalina Townhomes Project (hereinafter referred to as "project").

The purpose of this study is to evaluate the noise impact of the project pursuant to the California Environmental Quality Act (CEQA), the City of Garden Grove General Plan Noise Element, and the City of Garden Grove Municipal Code Chapter 8.47 – Noise Control. This study analyzes the potential construction and operational noise impacts from the project.

1.1 Project Description

The project site is located at 5802 Santa Catalina Avenue, generally bound between Santa Catalina Avenue to the north, Santa Barbara Avenue to the east/south, and an alleyway to the west, in the City of Garden Grove. The project site is currently occupied by Grace Baptist Church, which also previously leased space to a private preschool operator during weekdays (Look Who's Learning Preschool) which ceased operations in May of 2024. The Look Who's Learning Preschool opened in September of 2002 and was licensed for a maximum student enrollment of 62 children. At the time the preschool ceased operations (May 2024), only 20 children were enrolled.

The project proposes to construct twenty-six (26) two-story residential townhomes on the future residential parcel which contains razing an existing ancillary building that is part of the Look Who's Learning Preschool. The existing Church will remain in operation on the adjacent parcel and will continue to operate without the Look Who's Learning Preschool.

The proposed project will provide 52 spaces via private garages and 28 spaces via onsite open parking. In addition, the project proposes to include an amenity area with only a small dog park and outdoor seating. A six-foot-tall concrete masonry unit (CMU) wall will be constructed along the northern, western, and southern boundaries of the project site.

The project also involves a General Plan Amendment from Low Density Residential (LDR) to Low Medium Density Residential (LMR) and a zone change from R-1 Single Family Residential to R-3 Multiple-family Residential.

Access to the project is proposed via three (3) unsignalized driveways located on Santa Barabara Avenue and two (2) emergency vehicle access gated driveways along the alleyway.

Exhibit A shows an aerial location map of the project site. Exhibit B shows the project's proposed site plan.

1.2 Sensitive Receptors

There are several noise sensitive receptors adjacent to the proposed project site, including:

Northern Receptors Existing residential land uses located north of the project site's northern boundary, approximately 30 feet north of the centerline of Santa Catalina Avenue. The nearest residential receptors to the north of the site are located approximately 205 feet away.

Eastern Receptors Existing residential land uses located east of the project site's eastern boundary. The nearest residential receptors to the east of the site are located approximately 0 feet east of the project site's eastern boundary.

Southern Receptors Existing residential land uses located south of the project site's south and southeastern boundaries, along either side of Bailey Street / Santa Barbara Avenue. The nearest residential receptors to the south of the site are located approximately 0 feet south of the project site's southern boundary.

Western Receptors Existing residential land uses located west of the project site's western boundary. The nearest residential receptors to the

west of the site are located approximately 20 feet west of the project site's western boundary.

1.3 Project Design Features

The following design features include several standard rules and requirements, best practices, and building code requirements regarding noise impacts. Design features are assumed to be integrated into the project design and would be imposed as part of City standard conditions of approval of the project.

Construction:

DF-1 The project shall comply with the City of Garden Grove Municipal Code requirements. All construction will take place during daytime hours (7:00 a.m. to 10:00 p.m.).

DF-2 All construction equipment shall be equipped with mufflers and other suitable noise attenuation devices (e.g., engine shields).

DF-3 Construction-related equipment, including heavy-duty equipment, motor vehicles, and portable equipment, shall be turned off when not in use for more than five (5) minutes.

Operation:

DF-4 All HVAC equipment will be shielded from the line of sight of adjacent properties behind parapet walls and/or ground-level noise barrier walls.

2.0 Regulatory Setting

The proposed project is located in the City of Garden Grove and is subject to state and local regulations.

2.1 State Regulations

The State of California has established noise insulation standards as outlined in Title 24 of the Building Standards Code which in some cases requires acoustical analyses to outline exterior noise levels and to ensure interior noise levels do not exceed the interior threshold.

Noise insulation design standards for residential dwellings are established in the 2019 California Building Code, Title 24, Part 2, Volume 1, Section 1206 Sound Transmission. The

City is required by the State Housing Law to adopt these State codes as minimum performance standards. The City may enact stricter noise standards throughout the city or on a case-by-case basis if deemed necessary. In brief, the Title 24 noise standards require the following for allowable interior noise levels:

1. Interior noise levels due to exterior sources must not exceed a community noise equivalent level (CNEL) or a day-night level (LDN) of 45 dBA, in any habitable room.

2.2 City of Garden Grove Noise Regulations

The proposed project is located in the City of Garden Grove and is subject to the standards and regulations established by the City of Garden Grove General Plan Noise Element and Municipal Code Chapter 8.47 – Noise Control, as discussed below.

A copy of the City of Garden Grove Municipal Code Chapter 8.47 is provided in Appendix A.

General Plan Noise Standards

The City of Garden Grove General Plan establishes planning criteria for determining a development's noise/land use compatibility based on the community noise equivalent level (CNEL). CNEL noise levels are typically used to evaluate mobile noise source impacts such as those from roadways.

Table 1 shows the City of Garden Grove noise/land use compatibility standards for the land uses on and adjacent to the proposed project site, as prescribed in the General Plan.

Table 1
City of Garden Grove Noise/Land Use Compatibility Standards[1]

Land Use Category	Community Noise Exposure[2] (dBA CNEL)			
	Normally Acceptable	Conditionally Acceptable	Normally Unacceptable	Clearly Unacceptable
Residential – Low Density, Single-Family, Duplex, Mobile Homes	50 – 60	55 – 70	70 – 75	75 – 85
Residential – Multiple Family	50 – 65	60 – 70	70 – 75	70 – 85

[1] Source: City of Garden Grove General Plan Noise Element, Table 7-1: Noise and Land Use Compatibility Matrix.

[2] Notes:

Normally Acceptable: Specified land use is satisfactory, based upon the assumption that any buildings involved are of normal conventional construction, without any special noise insulation requirements.

Conditionally Acceptable: New construction or development should be undertaken only after a detailed analysis of the noise reduction requirements is made and needed noise insulation features included in the design. Conventional construction, but with closed windows and fresh air supply systems or air conditioning, will normally suffice.

Normally Unacceptable: New construction or development should be discouraged. If new construction or development does proceed, a detailed analysis of the noise reduction requirements must be made and needed noise insulation features included in the design.

Clearly Unacceptable: New construction or development should generally not be undertaken.

In addition to the above noise/land use compatibility guidelines, the General Plan is also implemented through the stationary noise thresholds prescribed in the Municipal Code, as described in the section below. For the purposes of this analysis, the noise levels listed in Table 1 are used to evaluate the project's noise/land use compatibility, and the noise levels listed in Table 2 are used to evaluate the project's consistency with established plans, policies, and programs for noise control within the City.

Municipal Code Noise Standards

The City of Garden Grove Municipal Code Chapter 8.47 – Noise Control establishes ambient base noise levels which are intended to be utilized as stationary noise level thresholds within the City. Per the Municipal Code, any noise level is permitted that does not exceed either the ambient base noise levels listed in Table 2 below or the actual measured ambient

noise level by 5 dBA, as measured at the property line of the noise generation property (City of Garden Grove Municipal Code § 8.47.040).

Table 2 shows the ambient base noise levels established in the Municipal Code and utilized by the City as the basis for determining excessive noise levels for residential uses. The associated Municipal Code policies are listed below.

Table 2
City of Garden Grove Stationary Noise Source Standards[1]

Land Use Designation		Time of Day	Noise Standard (dBA Leq)
Sensitive Uses	Residential Use	7:00 a.m. – 10:00 p.m.	55.0
		10:00 p.m. – 7:00 a.m.	50.0

[1] Source: City of Garden Grove Municipal Code Section 8.47.040 – Ambient Base Noise Levels.

A. Noise disturbance criteria. It shall be unlawful for any person to willfully make, continue, or cause to be made or continued, any loud, unnecessary, or unusual noise that disturbs the peace or quiet of any neighborhood, or that causes discomfort or annoyance to any person of normal sensitiveness.

B. The criteria that shall be utilized in determining whether a violation of the provisions of this section exists shall include, but not be limited to, the following:

1. The level of the noise.
2. The frequency of occurrence of the noise.
3. Whether the nature of the noise is usual or unusual.
4. The level and intensity of the background noise, if any.
5. The proximity of the noise to residential sleeping facilities.
6. The nature and zoning of the area within which the noise emanates.
7. The density of the inhabitation of the area within which the noise is received.
8. The time of day or night the noise occurs.
9. The duration of the noise.

C. Duration of the noise. The following criteria shall be used whenever the noise level exceeds:

1. The noise standard for a cumulative period of more than 30 minutes in any hour;

2. The noise standard plus five dBA for a cumulative period of more than 15 minutes in any hour;
3. The noise standard plus 10 dBA for a cumulative period of more than five minutes in any hour;
4. The noise standard plus 15 dBA for a cumulative period of more than one minute in any hour; or
5. The noise standard plus 20 dBA for any period of time.

D. In the event the ambient noise level exceeds any of the first four noise limit categories above, the cumulative period applicable to said category shall be increased to reflect said ambient noise level. In the event the ambient noise level exceeds the fifth noise limit category, the maximum allowable noise level under said category shall be increased to reflect the maximum ambient noise level (City of Garden Grove Municipal Code § 8.47.050).

Per the Municipal Code, it shall be unlawful for any person within a residential area, or within a radius of 500 feet therefrom, to operate equipment or perform any outside construction or repair work on buildings, structures, or projects, or to operate any pile driver, power shovel, pneumatic hammer, derrick, power hoist, or any other construction type device between the hours of 10:00 p.m. of one day and 7:00 a.m. of the next day in such a manner that a person of normal sensitiveness, as determined utilizing the criteria established in Section 8.47.050(B), is caused discomfort or annoyance unless such operations are of an emergency nature (City of Garden Grove Municipal Code § 8.47.060(D)).

3.0 Existing Noise Environment

The existing noise environment for the project site and surrounding areas has been determined based on short-term noise measurement data collected by RK. The project setting is residential, and the primary sources of environmental noise impacting the project site are roadway noise from adjacent streets.

RK conducted the sound level measurements in accordance with Caltrans technical noise specifications. All measurement equipment meets American National Standards Institute (ANSI) specifications for sound level meters (ANSI S1.4: Specification for Sound Level Meter, 1983).

Piccolo-II Type 2 integrating-averaging level meters were used to conduct noise measurements at the project site and property boundaries.

The Leq, Lmin, Lmax, L2, L8, L25, and L50 statistical data[1] were recorded over the measurement time intervals and the information was utilized to define the noise characteristics for the project. The following gives a brief description of the procedures for sound level measurements:

- Microphones for sound level meters were placed five (5) feet above the ground for long-term noise measurements;
- Sound level meters were calibrated before each measurement;
- Following the calibration of equipment, a windscreen was placed over the microphone;
- Frequency weighting was set on "A" and slow response; and
- Temperature and sky conditions were observed and documented.

Noise measurements were taken on May 7, 2024. Measurements were taken at each of the following noise monitoring locations for a duration of one hour during an afternoon peak hour, nighttime hour, and morning peak hour.

Noise monitoring locations were selected based on the proximity and location of adjacent sensitive receptors. Exhibit C graphically illustrates the location of the noise measurements.

- **Noise Monitoring Location 1 (L-1)** was taken near the southeast corner of the project site, approximately 230 feet south of the centerline of Santa Catalina Avenue.

- **Noise Monitoring Location 2 (L-2)** was taken near the southern boundary of the project site, approximately 330 feet south of the centerline of Santa Catalina Avenue.

- **Noise Monitoring Location 3 (L-3)** was taken near the northwest corner of the project site, approximately 220 feet south of the centerline of Santa Catalina Avenue.

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[1] Leq: the steady sound pressure level which, over a given period of time, has the same total energy as the actual fluctuating noise.
Lmin: the minimum time-weighted sound level measured over a given period of time.
Lmax: the maximum time-weighted sound level measured over a given period of time.
L(n): the A-weighted sound level exceeded during a certain percentage of the sample time. For example, L10 is the sound level exceeded 10 percent of the sample time.

Noise measurements were conducted at the above-selected locations to determine the existing ambient noise environment at the project site and nearby sensitive receptors. Ambient noise sources during the measurement period consisted of roadway noise from adjacent streets and general residential activity. Results of the noise measurements are shown in Tables 3 through 5. Appendix B includes photographs, field sheets, and measured noise data.

Table 3
24-Hour Noise Measurement Results – L-1[1]

Time	Leq (dBA)	Time	Leq (dBA)
12:00 AM	41.3	12:00 PM	49.5
1:00 AM	47.5	1:00 PM	54.4
2:00 AM	39.6	2:00 PM	50.6
3:00 AM	40.8	3:00 PM	49.3
4:00 AM	44.8	4:00 PM	48.9
5:00 AM	51.0	5:00 PM	53.7
6:00 AM	55.5	6:00 PM	47.6
7:00 AM	55.9	7:00 PM	49.9
8:00 AM	51.3	8:00 PM	55.4
9:00 AM	52.7	9:00 PM	50.0
10:00 AM	53.6	10:00 PM	49.3
11:00 AM	49.5	11:00 PM	45.2
24-Hour CNEL			**56.6**

[1] L-1 was measured on May 7, 2024.

Table 4
24-Hour Noise Measurement Results – L-2[1]

Time	Leq (dBA)	Time	Leq (dBA)
12:00 AM	42.3	12:00 PM	50.4
1:00 AM	48.6	1:00 PM	56.6
2:00 AM	40.3	2:00 PM	53.8
3:00 AM	41.5	3:00 PM	53.1
4:00 AM	45.6	4:00 PM	51.5
5:00 AM	51.3	5:00 PM	57.0
6:00 AM	57.1	6:00 PM	50.3
7:00 AM	56.2	7:00 PM	51.5
8:00 AM	50.7	8:00 PM	53.2
9:00 AM	53.7	9:00 PM	49.6
10:00 AM	56.7	10:00 PM	50.3
11:00 AM	51.5	11:00 PM	46.4
24-Hour CNEL			**57.7**

[1] L-2 was measured on May 7, 2024.

Table 5
24-Hour Noise Measurement Results – L-3[1]

Time	Leq (dBA)	Time	Leq (dBA)
12:00 AM	41.5	12:00 PM	51.5
1:00 AM	46.8	1:00 PM	56.4
2:00 AM	39.1	2:00 PM	58.4
3:00 AM	40.3	3:00 PM	57.7
4:00 AM	45.0	4:00 PM	52.6
5:00 AM	50.6	5:00 PM	54.0
6:00 AM	57.2	6:00 PM	50.4
7:00 AM	55.4	7:00 PM	51.1
8:00 AM	56.2	8:00 PM	50.7
9:00 AM	53.1	9:00 PM	50.6
10:00 AM	58.5	10:00 PM	49.4
11:00 AM	52.7	11:00 PM	45.5
24-Hour CNEL			**57.7**

[1] L-3 was measured on May 7, 2024.

As shown in Tables 3 through 5, the existing ambient noise levels at the project site range from 56.6 dBA CNEL to 57.7 dBA CNEL.

4.0 Noise Impact Analysis

This assessment analyzes the anticipated noise levels generated by the proposed project and compares them to standards established in the City of Garden Grove General Plan and Municipal Code.

According to City standards, any noise level which doesn't surpass either the base ambient noise levels listed in Table 2 of this report or the actual measured ambient noise level by 5 dBA, as measured at the property line of the noise generation property, is permitted. As shown in Section 3.0 above, the measured ambient noise levels at the project site and nearby sensitive receptors vary throughout the day, ranging from falling within the base ambient noise levels specified in the Municipal Code to exceeding them. Therefore, to be conservative, this analysis evaluates noise levels using the base ambient noise levels outlined in the Municipal Code for residential areas.

4.1 Stationary Source Noise Impacts

The project includes subdividing the lot into two (2) parcels, one for the existing Church (i.e. approximately 1.3 acres) and a second parcel for the future townhome development (i.e. approximately 1.73 acres) which contains part of the Look Who's Learning Preschool that will be partly razed.

The project proposes to construct twenty-six (26) two-story residential townhomes on the future residential parcel which contains razing an existing ancillary building that is part of the Look Who's Learning Preschool. The existing Church will remain in operation on the adjacent parcel and will continue to operate without the Look Who's Learning Preschool.

The proposed project will provide 52 spaces via private garages and 28 spaces via onsite open parking. In addition, the project proposes to include an amenity area with only a small dog park and outdoor seating. A six-foot-tall concrete masonry unit (CMU) wall will be constructed along the northern, western, and southern boundaries of the project site.

Project operation will not include significant sources of stationary noise. The main sources of potential on-site noise would include motor vehicle activity, HVAC equipment, and dog park activity.

These types of on-site stationary noises would not typically be categorized as loud, unnecessary, or unusual noise that disturbs the peace or quiet of any neighborhood, or that causes discomfort or annoyance to any person of normal sensitiveness. In particular,

social activities and vehicle-related noise are generally substantially less intense during the noise sensitive nighttime hours. Furthermore, as determined by the State of California Supreme Court, so-called "social noise" (i.e., noise created by human voices) is not an environmental impact required by CEQA to be analyzed for residential projects (*Make UC a Good Neighbor v. the Regents of the University of California*, June 2024).

To ensure on-site noise levels remain within the City of Garden Grove's standards, the following stationary noise impact analysis has been prepared. The analysis assumes that all noise sources would operate continuously during both daytime hours (7:00 a.m. to 10:00 p.m.) and nighttime hours (10:00 p.m. to 7:00 a.m.). The result is a worst-case assessment of impacts, considering that HVAC unit operation and dog run activity would likely occur intermittently.

Although it is anticipated that the dog park will operate only during daytime hours, for a conservative analysis and informational purposes, this study examines potential dog park activity during both daytime and nighttime hours.

4.1.1 Referenced Noise Levels

HVAC and dog run noise were projected using a computer program that replicates the Federal Highway Administration (FHWA) Noise Prediction Model (FHWA-RD-77-108). The FHWA model arrives at the predicted noise level through a series of adjustments to a reference energy noise level.

The project plans to install one ground-level HVAC unit per dwelling. The closest HVAC unit to the adjacent sensitive receptors will be situated approximately 45 feet east of the Western Receptors. These HVAC units will be shielded from the line of sight of the adjacent receptors by the proposed CMU property line wall. To model HVAC noise, reference noise levels from ground-level residential HVAC equipment are used. These referenced noise levels do not account for any sound attenuation effects from noise barriers or shielding.

The project also proposes to include an approximately 900-square-foot dog park at the northeastern corner of the project site. The proposed dog park would be located approximately 10 feet west of the Eastern Receptors. The dog park will be shielded form the line of sight of the adjacent receptors by the existing property line wall located along the western side of the Eastern Receptors. To model dog park noise, reference noise levels collected by RK at an existing 12,000-square-foot dog park are utilized.

Table 6
Reference Noise Levels

Noise Source	Distance from Source (feet)	Noise Level	
		dBA Leq	dBA Lmax
HVAC Unit[1]	1	75.0	75.0
Dog Park[2]	13	60.4	80.4

[1] Noise level is representative of a single unit.
[2] Dog park reference noise levels were collected by RK on December 6, 2022 at an existing 12,000-square-foot dog park with a maximum of 11 dogs and a minimum of 5 dogs present at one time.

The above referenced noise levels are indicative of the noise levels generated at the noise source location. The nearest receptors to a proposed HVAC location will be the Western Receptors. The nearest receptors to the proposed dog run location will be the Eastern Receptors. To estimate noise level impacts at the surrounding residential receptor locations, the referenced noise levels are input into the FHWA model and projected from the noise source location to the habitable backyards of the nearest receptors, at a distance of approximately 45 feet for HVAC noise and approximately 10 feet for dog run noise. The model projections take into account the noise attenuation effects from distance, local topography, ground effects, the existing wall along the Western Receptors' eastern property line, and the proposed wall along the project site's eastern property line.

4.1.2 Projected Noise Level Impacts

Tables 7 and 8 show the project-related stationary noise impacts during the daytime and nighttime, respectively. Stationary noise calculation worksheets are provided in Appendix C.

Table 7
Stationary Noise Impact Analysis – Daytime

Receptor Location	Noise Source	Receptor Distance from Noise Source (feet)	Noise Level at Receptor[2]	
			dBA Leq	dBA Lmax
Western Receptors	HVAC[1]	45	45.1	45.1
Eastern Receptors	Dog Run	10	48.9	68.9
Noise Level Threshold[3]			55.0	75.0
Noise Levels Exceed Threshold?			**No**	**No**

[1] Noise level is representative of a single unit.
[2] Noise levels at receptors include the attenuation effect of the proposed property line wall
[3] Noise level thresholds are established based on the Municipal Code's daytime baseline ambient noise level of 55.0 dBA Leq. According to Municipal Code § 8.47.050(C), noise levels must not exceed the daytime base ambient noise level of 55.0 dBA Leq by 20 dBA at any time. As a result, a threshold of 75.0 dBA Lmax is used to evaluate the project's maximum daytime noise levels.

Table 8
Stationary Noise Impact Analysis – Nighttime

Receptor Location	Noise Source	Receptor Distance from Noise Source (feet)	Noise Level at Receptor[2]	
			dBA Leq	dBA Lmax
Western Receptors	HVAC[1]	45	45.1	45.1
Eastern Receptors	Dog Run	10	48.9	68.9
Noise Level Threshold[3]			50.0	70.0
Noise Levels Exceed Threshold?			**No**	**No**

[1] Noise level is representative of a single unit.
[2] Noise levels at receptors include the attenuation effect of the proposed property line wall.
[3] Noise level thresholds are established based on the Municipal Code's nighttime baseline ambient noise level of 50.0 dBA Leq. According to Municipal Code § 8.47.050(C), noise levels must not exceed the nighttime base ambient noise level of 50.0 dBA Leq by 20 dBA at any time. As a result, a threshold of 70.0 dBA Lmax is used to evaluate the project's maximum nighttime noise levels.

As shown in Tables 7 and 8, noise levels generated by the project are not expected to exceed the City's noise standards at any off-site sensitive receptor location. **Hence, the project impact from operational, stationary noise will be less than significant.**

4.2 Mobile Source Noise Impacts

4.2.1 Roadway Noise

The main source of roadway noise in the vicinity of the project site is activity along the adjacent local streets, including Santa Catalina Avenue and Santa Barbara Avenue. Per the City's General Plan Circulation Element, local streets can accommodate approximately 2,500 vehicles per day.

Per the *Santa Catalina Townhomes Residential Project Trip Generation & Vehicle Miles Traveled (VMT) Screening Analysis, City of Garden Grove* (Trip Generation and VMT Study), prepared by RK, the project is expected to generate approximately 187 gross daily trips. However, as previously mentioned, the existing Church will remain in operation on the adjacent parcel and will continue to operate without the Look Who's Learning Preschool. Although the preschool recently ceased operations and is currently not generating any traffic, it is still appropriate to take an existing trip credit as part of the project's proposed trip generation forecast since conditions have fluctuated over time and these trips had historically occurred at the site (CEQA Guidelines § 15125(a)(1)). As previously discussed, the proposed project will be constructed where part of the preschool once operated. As a result, an existing trip credit reduction of 82 daily trips has been applied to the proposed project trip generation. Therefore, the project is expected to generate 105 net daily trips.

Per California Department of Transportation (Caltrans) guidance, a doubling of traffic volume along a roadway would typically be required to increase ambient noise levels by 3 dBA or more[2]. An increase in noise levels by 3 dBA or more is an industry standard threshold of significance and is generally considered the point at which the human ear will perceive a change in noise level[3].

Based on the roadway capacities of the adjacent streets, the 105 net daily trips generated by the proposed project will not double the amount of traffic along the adjacent streets, and the potential increase in noise from the project would be less than 3 dBA. **Therefore, the increase in roadway noise levels as a result of the project will be less than significant.**

[2] Source: Technical Noise Supplement to the Traffic Noise Analysis Protocol, California Department of Transportation (Caltrans), September 2013.
[3] Source: Technical Noise Analysis Protocol for New Highway Construction, Reconstruction, and Retrofit Barrier Projects, California Department of Transportation (Caltrans), April 2020.

4.2.2 Airport Noise

The Los Alamitos Army Airfield Base, located in Los Alamitos, California, is the nearest airport to the proposed project site, approximately 0.5 miles away. According to the noise contour map for the base, the project site is situated outside the 60-65 dBA Ldn contour. This indicates that the noise levels at the project site resulting from airport activity will be less than 60-65 dBA. The City of Garden Grove General Plan classifies noise environments of 60-65 dBA Ldn as "Conditionally Acceptable" for the proposed residential land use.

Furthermore, as described in Section 4.1.2 above, the proposed project is not expected to expose people residing or working in the project area to excessive noise levels. Therefore, **the project's noise impact on airport-adjacent land uses will be less than significant.**

A copy of the Los Alamitos Army Airfield Base noise contour map is provided in Exhibit D.

4.3 Operational Vibration Impacts

The project proposes to construct twenty-six (26) two-story residential townhomes on the future residential parcel which contains razing an existing ancillary building that is part of the Look Who's Learning Preschool. The existing Church will remain in operation on the adjacent parcel and will continue to operate without the Look Who's Learning Preschool.

The proposed project will provide 52 spaces via private garages and 28 spaces via onsite open parking. In addition, the project proposes to include an amenity area with only a small dog park and outdoor seating. A six-foot-tall concrete masonry unit (CMU) wall will be constructed along the northern, western, and southern boundaries of the project site.

The proposed land use is not anticipated to involve significant vibration-inducing activities such as blasting operations. The primary source of groundborne vibration from the project would be roadway activity on adjacent streets. According to the Federal Transit Administration (FTA) Transit Noise and Vibration Impact Assessment Manual, traffic-induced vibration is rarely perceptible to humans. Additionally, as noted in Section 4.2.1, the project is not expected to generate a substantial number of vehicle trips.

Therefore, it is assumed that the project would not cause a perceptible increase in vibration, and **the impact related to operational vibration would be less than significant.**

4.4 Construction Noise and Vibration Impacts

The proposed project's temporary construction noise and vibration impacts have been assessed. Construction activity will not be static, as construction equipment will move about the site over time. The degree of construction noise generated will vary depending on the type of construction activity taking place at any given time and the location of the activity relative to the surrounding properties.

During the construction period, the construction contractors will be required to comply with the City of Garden Grove Municipal Code Section 8.47.060(D), which states that it shall be unlawful for any person within a residential area, or within a radius of 500 feet therefrom, to operate equipment or perform any outside construction or repair work on buildings, structures, or projects, or to operate any pile driver, power shovel, pneumatic hammer, derrick, power hoist, or any other construction type device between the hours of 10:00 p.m. of one day and 7:00 a.m. of the next day in such a manner that a person of normal sensitiveness, as determined utilizing the criteria established in Section 8.47.050(B), is caused discomfort or annoyance unless such operations are of an emergency nature.

In compliance with the Municipal Code, no construction activity will occur outside of daytime hours (7:00 a.m. to 10:00 p.m.). The proposed project's potential construction noise impacts have been evaluated utilizing criteria provided by the Federal Transit Administration (FTA) Transit Noise and Vibration Impact Assessment Manual. The FTA Manual provides the following two options for assessing daytime noise impacts:

- **General Assessment Criteria.** A general assessment of construction noise is warranted for projects in an early assessment stage when the equipment roster, location of operation, and schedule are undefined.

- **Detailed Analysis Criteria.** A detailed analysis of construction noise is warranted when the equipment roster, location of operation, and schedule are defined. A detailed analysis may also be warranted when many noise-sensitive sites are adjacent to a construction project or where contractors are faced with stringent local ordinances or heightened public concerns expressed in early outreach efforts.

The proposed project is currently in an early assessment stage. Therefore, the FTA's General Assessment Criteria and Methodology are the most appropriate for assessing potential project impacts. In accordance with the General Assessment Methodology, a daytime noise threshold of 90 dBA Leq for a 1-hour period is utilized.

Construction phasing and equipment usage assumptions are referenced from the *Santa Catalina Townhomes Air Quality, Greenhouse Gas, and Energy Impact Study, City of Garden Grove,* performed by RK.

4.3.1 Construction Noise

In accordance with the FTA Transit Noise and Vibration Impact Assessment criteria, this analysis utilizes the Federal Highway Administration (FHWA) Roadway Construction Noise Model, together with several key construction parameters, to estimate future construction noise levels during each phase of construction. Consistent with the FTA General Assessment methodology, the following assumptions have been utilized in the construction noise model:

- Noise emission level ($L_{emission}$) – Determine the emission level at 50 feet according to noise from typical construction equipment.
- Usage factor (Adj_{Usage}) – Assume a usage factor of one (1). This assumes a time period of one-hour with full power operation.
- Distance (D) – Assume that all equipment operates at the center of the project, or centerline for guideway or highway construction projects.
- Ground effect (G) – G equals zero (0) assuming free-field conditions and ignoring ground effects.
- The $L_{eq.equip}$ is determined only for the two noisiest pieces of equipment expected to be used in each phase of construction. The equipment noise levels are summed for each phase of construction using decibel addition.

Noise levels were projected from the center of potential construction activities to the closest project property line, at a distance of approximately 145 feet. While some construction activity may occur closer than 145 feet from the nearest property line, noise levels are based on an average distance from the center of the site per Federal Transit Administration (FTA) General Assessment recommendations.

In accordance with FTA General Assessment methodology, construction noise impacts are projected based on the average noise level during one hour of construction equipment operation, and the associated significance threshold of 90.0 dBA Leq(1-hour) for residential exposure is utilized.

Table 9 shows the expected noise impacts during all phases of construction, including demolition, site preparation, grading, building construction, paving, and architectural coating.

Table 9
Project Construction Noise Levels – at 145 Feet

Phase	Equipment	Quantity	Equipment Noise Level at 145 ft (dBA Leq)	Combined Noise Level (dBA Leq)
Demolition	Concrete/Industrial Saws	1	80.4	81.4
	Tractors/Loaders/Backhoes	1	74.8	
Site Preparation	Graders	1	75.8	78.3
	Tractors/Loaders/Backhoes	1	74.8	
Grading	Graders	1	75.8	78.3
	Tractors/Loaders/Backhoes	1	74.8	
Building Construction	Cranes	1	71.4	74.4
	Generator Sets	1	71.4	
Paving	Cement and Mortar Mixer	1	69.6	71.8
	Pavers	1	68.0	
Architectural Coating	Air Compressors	1	68.5	68.5
Worst Case Construction Phase Noise Level (dBA Leq)				81.4
FTA Daytime General Assessment Construction Noise Criteria (dBA Leq)[1, 2]				**90.0**
Noise level exceeds FTA criteria?				No

[1] Source: *Transit Noise and Vibration Impact Assessment Manual, Section 7 Noise and Vibration During Construction*, by the Federal Transit Administration.
[2] Per FTA General Assessment methodology, noise impacts are assessed based on the average construction noise levels over a period of one hour. Hence, the one-hour residential daytime threshold of 90.0 dBA Leq is utilized.

The project is expected to generate a temporary maximum noise level of 81.4 dBA. Based on the above table, the project's construction-related noise levels will not exceed the FTA General Assessment Construction Noise Criteria threshold.

Therefore, the project's impact from short-term construction-related noise would be less than significant.

4.3.2 Construction Vibration

The following construction vibration assessment is based on the methodology set forth within the *Caltrans Transportation and Construction Induced Vibration Guidance Manual*. The vibration impacts from heavy truck loading and bulldozer activity is analyzed.

All vibratory activity is analyzed as a continuous and/or frequent event and is required to comply with the applicable guidance thresholds criteria. It is expected that vibration levels will be highest during the paving phase of construction. No impact pile driving or vibratory roller use is expected as part of this project.

Construction vibration impacts are compared with the vibration thresholds established by the *Caltrans Transportation and Construction Induced Vibration Guidance Manual.* The vibration thresholds for damage potential is provided in Table 10.

Table 10
Vibration Damage Potential Threshold Criteria

Structure and Condition	PPV (in/sec)	
	Transient Sources	Continuous/Frequent Intermittent Sources
Extremely fragile historic buildings ruin ancient monuments	0.12	0.08
Fragile buildings	0.20	0.10
Historic and some old buildings	0.50	0.25
Older residential structures	0.50	0.30
New residential structures	1.00	0.50
Modern industrial/commercial buildings	2.00	0.50

Vibratory impacts were calculated from the nearest expected area of equipment use to the nearest adjacent receptors and structures using the reference vibration levels, soil conditions and the reference equation *PPV= PPV ref (25/D)^n (in/sec)* (from Caltrans Manual) where:

PPV = reference measurement at 25 feet from vibration source
D = distance from equipment to property line

n= vibration attenuation rate through ground (n=1.1 was utilized for this study)[4]

Table 11 lists the nearest structures to potential onsite construction areas. As shown in Table 11, these structures were built between the 1950s and the 1970s. Therefore, they are categorized as "Older residential structures" for assessment purposes under the *Caltrans Transportation and Construction Induced Vibration Guidance Manual*.

Table 11
Nearest Adjacent Structures to Onsite Construction Activity

Location	Address	Year Built[1]
Northern Receptors	5771 Santa Catalina Ave	1959
	5791 Santa Catalina Ave	1959
	5801 Santa Catalina Ave	1959
	5811 Santa Catalina Ave	1959
	5821 Santa Catalina Ave	1959
Eastern Receptors	5842 Santa Catalina Ave	1961
	5841 Santa Barbara Ave	1961
Southern Receptors	11851 Bailey St	1975
Western Receptors	11802 Saint Mark St	1959
	11812 Saint Mark St	1959
	11822 Saint Mark St	1958
	11832 Saint Mark St	1959

[1] Based on information publicly provided through Zillow.com.

For the purposes of this analysis, it is assumed that all structures adjacent to the proposed project site were constructed in compliance with the State of California's Uniform Building Code 1955 Edition (UBC), which established several key requirements for residential structures, including, but not limited to, the following:

- **Seismic Design.** The UBC included provisions to ensure buildings could withstand seismic forces, involving specific requirements for the construction and reinforcement of foundations, walls, and roofs.

[4] Soil conditions significantly influence how vibration travels through the ground. According to the Caltrans Transportation and Construction Vibration Guidance Manual (April 2020), specific 'n' values are recommended based on soil class. For this study, an 'n' value of 1.1 was utilized, corresponding to hard soils, densely compacted sand, dry consolidated clay, consolidated glacial till, and some exposed rock.

- **Load-Bearing Requirements.** The UBC specified minimum standards for load-bearing walls, floors, and roofs to ensure they could support expected loads, including live loads (e.g., people, furniture) and dead loads (e.g., the weight of the building materials).

- **Materials and Construction Methods.** The UBC provided guidelines on acceptable materials and construction methods, including specifications for concrete, steel, timber, and masonry, ensuring they met certain strength and durability criteria.

- **Span Tables and Nailing Schedules.** The UBC included span tables and nailing schedules to establish appropriate spacing and fastening of structural elements, ensuring stability and integrity.

Based on the age and type of the nearest surrounding structures, as well as the standards required by the Uniform Building Code, it is appropriate to assess potential impacts of construction-related vibration using the Caltrans vibration damage potential threshold for "Older residential structures" of 0.3 PPV (in./sec.).

Table 12 shows the project's construction-related vibration analysis at the nearest structures to the nearest expected areas of equipment use.

Table 12
Construction Vibration Impact Analysis

Construction Activity	Distance to Nearest Structure (ft)	Duration	Calculated Vibration Level - PPV (in/sec)
Large Bulldozer	10	Continuous/Frequent	0.244
Loaded Trucks	10	Continuous/Frequent	0.208
Vibratory Rollers	20	Continuous/Frequent	0.268
Worst Case Construction Vibration Level			**0.268**
Vibration Damage Potential Threshold[1]			0.300
Vibration level exceeds threshold?			No

[1] Source: Caltrans Transportation and Construction Vibration Guidance Manual (April 2020) vibration damage potential threshold for "older residential structures".

As shown in Table 12, the worst-case vibration levels resulting from project construction will be below the vibration damage potential threshold of 0.30 PPV (inches per second)

and would not be expected to cause damage to any of the surrounding residential homes. **Therefore, the construction vibration impact is less than significant.**

Construction vibration calculation worksheets are provided in Appendix D.

4.4 Summary of Project Impacts

The following section summarizes the project's effect on noise per the CEQA Guidelines Appendix G Checklist Form.

Table 13
CEQA Noise Impact Criteria

Noise Impact Criteria	Potentially Significant	Potentially Significant Unless Mitigated	Less Than Significant Impact	No Impact
Would the project result in?				
a) Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?			X	
b) Generation of excessive groundborne vibration or groundborne noise levels?			X	
c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?			X	

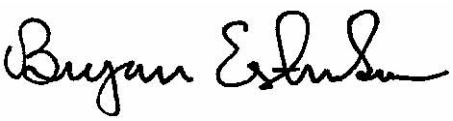
5.0 Conclusion

Based upon this review, the proposed project would not result in potentially significant noise impacts.

The project-related noise impacts are considered less than significant.

If you have any questions regarding this study, or would like further review, please do not hesitate to contact us at (949) 474-0809.

Sincerely,
RK ENGINEERING GROUP, INC.



Bryan Estrada, AICP, PTP
Principal

Becca Morrison
Environmental Specialist

Attachments

Exhibits

Exhibit A

Location Map

Legend:

= Project Site Boundary

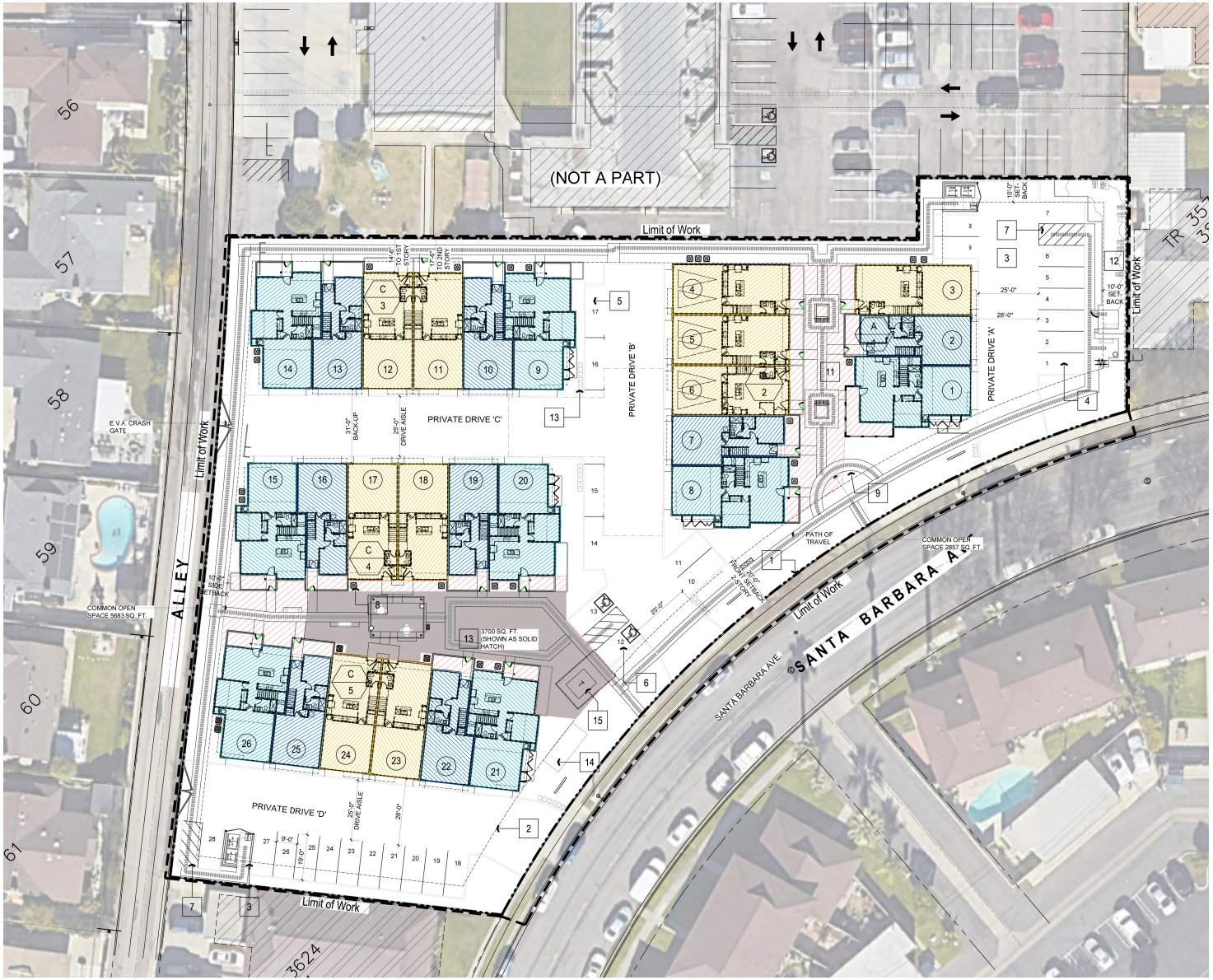
= Project Site

N

RK engineering group, inc.

Exhibit B

Site Plan



N

RK engineering group, inc.

Exhibit C

Noise Monitoring Locations

Legend:

= Project Site Boundary

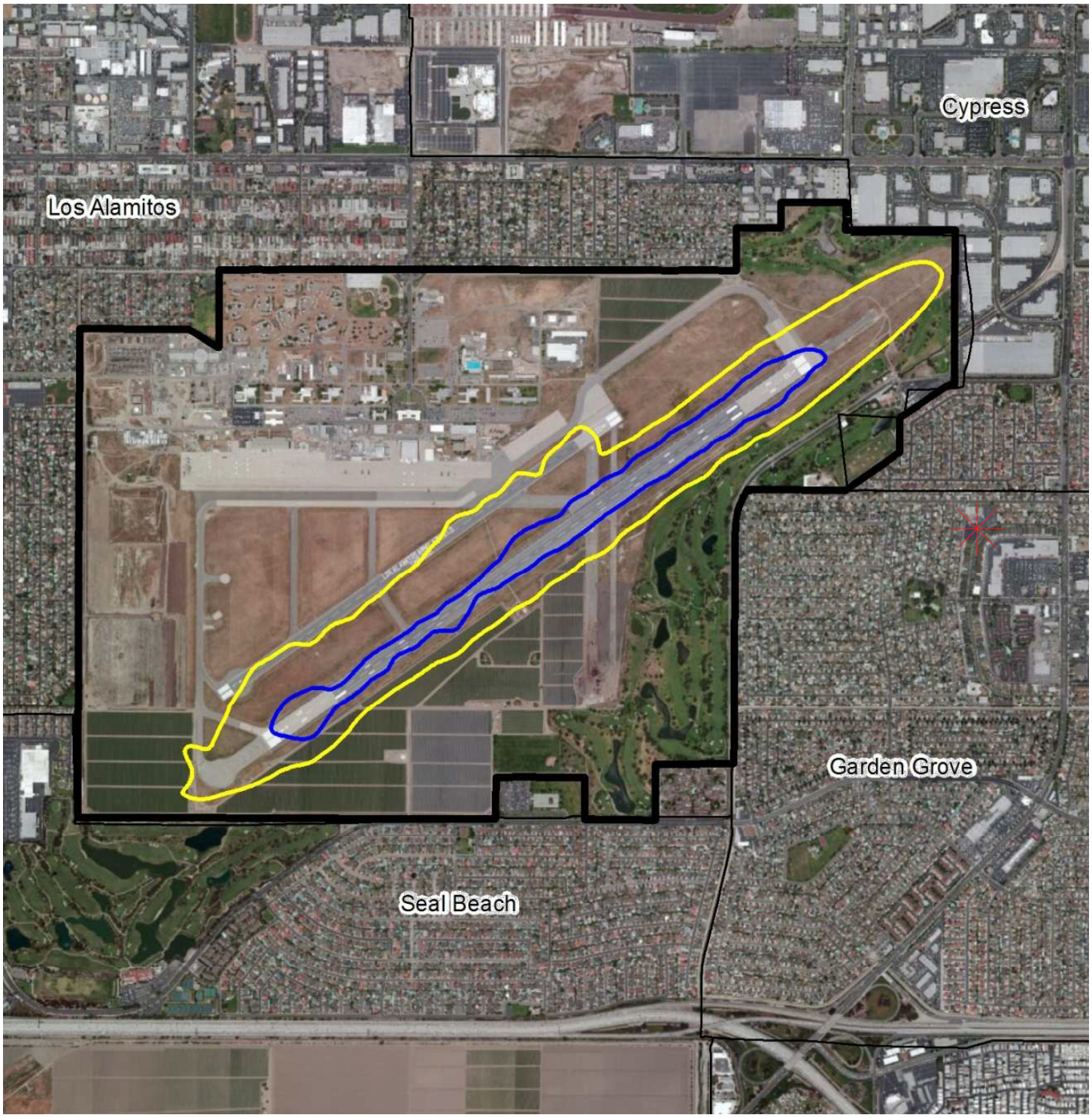
1 = Noise Monitoring Location

N

RK engineering group, inc.

Exhibit D

Los Alamitos Airfield Base Noise Contours



Legend:

= Project Site

N

RK engineering group, inc.

Appendices

Appendix A

City of Garden Grove Municipal Code Chapter 8.47 – Noise Control

CHAPTER 8.47
NOISE CONTROL

Note: Prior ordinance history: Ord. Nos. 1949, 1950, and 2258.

§ 8.47.020. Definitions.

The following words, phrases, and terms as used in this chapter shall have the meaning as indicated below:

"Actual measured ambient noise level" shall mean that noise level existing in the general area of the noise problem, excluding the noise generated by the noise source being evaluated.

"Ambient base noise level" shall mean the maximum loudness level normally found to be acceptable for given land uses and that serves as the basis for determining loudness noise violations pursuant to the provisions of Section 8.48.040 of this chapter.

"Ambient noise level" shall mean the all-encompassing background noise associated with a given environment, being usually a composite of sounds from many sources near and far.

"Commercial use" shall mean any enterprise whose principal endeavor is the sale of goods and/or services.

"Decibel (dB)" shall mean a unit that denotes the ratio between two quantities that are proportional to power: the number of decibels corresponding to the ratio of two amounts of power is 10 times the logarithm to the base 10 of this ratio. The commonly used unit for measuring sound pressure levels.

"Emergency" means operations made necessary to restore property to a safe condition following a public calamity, or work required to protect persons or property from an imminent exposure to danger or work by private or public utilities when restoring utility service.

"Industrial use" means any facility or operations involved in the manufacturing, repairing, testing, processing, warehousing, wholesaling, researching, and treatment of products.

"Institutional use" means an establishment maintained and operated by a society, church, corporation, individual, foundation, or public agency for the purpose of providing religious, charitable, social, educational, fraternal, or similar services.

"Noise" means any sound that exceeds the appropriate actual or presumed ambient noise level, that annoys or tends to disturb humans, or that causes or tends to cause an adverse psychological or physiological effect on humans of normal sensitiveness.

"Office-professional use" means any enterprise engaged in providing business or professional services.

"Residential use" means any structure utilized principally for human habitation, excluding hotels, motels, and recreational vehicle parks.

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"Sound amplifying equipment" means any device for the amplification of the human voice, music, or any other sound and does not include standard automobile radios when used and heard only by the occupants of the vehicle in which the automobile radio is installed or devices on authorized emergency vehicles or horns or other warning devices on any vehicle used only for traffic safety purposes.

"Sound level in decibels (dB)" means the sound measured utilizing the A-weighting scale and the slow needle response by a sound level meter.

"Sound level meter" means an instrument meeting American National Standard Institutes Standard S1.4-1971 for Type 1 or Type 2 sound level meters or an equivalent standard.
(2660 § 2, 2005; 2802 § 1, 2011)

§ 8.47.030. Noise Level Measurement.

All noise level measurements made pursuant to the provisions of this chapter shall be performed using a sound level meter as defined in Section 8.47.020, using a fast needle response, utilizing the dB(A) scale.
(2660 § 2, 2005; 2802 § 1, 2011)

§ 8.47.040. Ambient Base Noise Levels.

The ambient base noise levels contained in the following chart shall be utilized as the basis for determining noise levels in excess of those allowed by this chapter unless the actual measured ambient noise level occurring at the same time as the noise under review is being investigated exceeds the ambient base noise level contained in the chart. When the actual measured ambient noise level exceeds the ambient base noise level, the actual measured ambient noise level shall be utilized as the basis for determining whether or not the subject noise exceeds the level allowed by this section. In situations where two adjoining properties exist within two different use designations, the most restrictive ambient base noise level will apply. This section permits any noise level that does not exceed either the ambient base noise level or the actual measured ambient noise level by 5 dB(A), as measured at the property line of the noise generation property.

USE CATEGORIES	USE DESIGNATIONS	AMBIENT BASE NOISE LEVELS	TIME OF DAY
Sensitive	Residential Use	55 dB(A) 50 dB(A)	7:00 a.m.—10:00 p.m. 10:00 p.m.—7:00 a.m.
Conditionally Sensitive	Institutional Use Office-Professional Use Hotels & Motels	65 dB(A) 65 dB(A) 65 dB(A)	Any Time Any Time Any Time

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USE CATEGORIES	USE DESIGNATIONS	AMBIENT BASE NOISE LEVELS	TIME OF DAY
Non-Sensitive	Commercial Uses Commercial/ Industrial Uses within 150 feet of Residential Industrial Use	70 dB(A) 65 dB(A) 50 dB(A) 70 dB(A)	Any Time 7:00 a.m.—10:00 p.m. 10:00 p.m.—7:00 a.m. Any Time

(2660 § 2, 2005; 2802 § 1, 2011)

§ 8.47.050. General Noise Regulation.

A. Noise disturbance criteria. It shall be unlawful for any person to willfully make, continue, or cause to be made or continued, any loud, unnecessary, or unusual noise that disturbs the peace or quiet of any neighborhood, or that causes discomfort or annoyance to any person of normal sensitiveness.

B. The criteria that shall be utilized in determining whether a violation of the provisions of this section exists shall include, but not be limited to, the following:

1. The level of the noise.
2. The frequency of occurrence of the noise.
3. Whether the nature of the noise is usual or unusual.
4. The level and intensity of the background noise, if any.
5. The proximity of the noise to residential sleeping facilities.
6. The nature and zoning of the area within which the noise emanates.
7. The density of the inhabitation of the area within which the noise is received.
8. The time of day or night the noise occurs.
9. The duration of the noise.

C. Duration of noise. The following criteria shall be used whenever the noise level exceeds:

1. The noise standard for a cumulative period of more than 30 minutes in any hour;
2. The noise standard plus five dB(A) for a cumulative period of more than 15 minutes in any hour;
3. The noise standard plus 10 dB(A) for a cumulative period of more than five minutes in any hour;

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4. The noise standard plus 15 dB(A) for a cumulative period of more than one minute in any hour; or

5. The noise standard plus 20 dB(A) for any period of time.

D. In the event the ambient noise level exceeds any of the first four noise limit categories above, the cumulative period applicable to said category shall be increased to reflect said ambient noise level. In the event the ambient noise level exceeds the fifth noise limit category, the maximum allowable noise level under said category shall be increased to reflect the maximum ambient noise level.

(2660 § 2, 2005; 2802 § 1, 2011)

§ 8.47.060. Special Noise Sources.

A. Radios, television sets, and similar devices.

1. Use restricted. It shall be unlawful for any person within any residential area of the City to use or operate any radio receiving set, musical instrument, stereo equipment, television set, or other machine or device for the producing or reproducing of sound between the hours of 10:00 p.m. of one day and 7:00 a.m. of the following day in such a manner as to disturb the peace, quiet, and comfort of any person of normal sensitiveness residing in the area, as determined utilizing the criteria established in Section 8.47.050(A).

2. Prima facie violation. Any noise level exceeding the ambient base level at the property line of any property (or, if a condominium or apartment house, within any adjoining apartment) by more than five decibels shall be deemed to be prima facie evidence of a violation of the provisions of this section.

B. Musical instruments—use restricted. It shall be unlawful for any person to use any drum or other instrument or device of any kind for the purpose of attracting attention by the creation of noise within the City. This section shall not apply to any person who is a participant in a duly licensed parade or who has been otherwise duly authorized to engage in such conduct.

C. Machinery, equipment, fans, and air conditioning. It shall be unlawful for any person to operate any machinery, equipment, pump, fan, air conditioning apparatus, or similar mechanical device in any manner so as to create any noise that would cause the noise level at the property line of any property to exceed either the ambient base noise level or the actual measured ambient noise level by more than five decibels.

D. Construction of buildings and projects. It shall be unlawful for any person within a residential area, or within a radius of 500 feet therefrom, to operate equipment or perform any outside construction or repair work on buildings, structures, or projects, or to operate any pile driver, power shovel, pneumatic hammer, derrick, power hoist, or any other construction type device between the hours of 10:00 p.m. of one day and 7:00 a.m. of the next day in such a manner that a person of normal sensitiveness, as determined utilizing the criteria established in Section

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8.47.050(B), is caused discomfort or annoyance unless such operations are of an emergency nature.

E. Vehicle repairs. It shall be unlawful for any person within any residential area of the City to repair, rebuild, or test any motor vehicle in such a manner that a person of normal sensitiveness residing in the area is caused discomfort or annoyance, as determined utilizing the criteria established in Section 8.47.050, unless such operations are of an emergency nature.

F. Motor driven vehicles. It shall be unlawful for any person to operate any motor driven vehicle within the City in such a manner that a person of normal sensitiveness residing in the area is caused discomfort or annoyance, as determined utilizing the criteria established in Section 8.47.050(B), unless such operations are of an emergency nature; provided, however, any such vehicle that is operated upon any public highway, street, or right-of-way shall be excluded from the provisions of this section.

G. Amplified sound.

1. Purpose. While recognizing the constitutional rights of freedom of speech and assembly, the City nevertheless feels obligated to reasonably regulate the use of sound amplifying equipment in order to protect the rights of the citizens of the City to privacy and freedom from excessively loud and unnecessary noise.

2. Registration. It shall be unlawful for any person, other than personnel of law enforcement or governmental agencies, to install, use, or operate within the City a loudspeaker or sound amplifying equipment mounted upon any vehicle for the purposes of warnings, giving instructions, directions, talks, addresses, lectures, or transmitting music to any persons or assemblages of persons without first filing a registration statement at least seven days prior to the date on which the sound amplifying equipment is intended to be used and obtaining approval from the Zoning Administrator.

3. Approval. The Zoning Administrator shall return to the applicant an approved copy of the registration statement unless he or she finds that:

a. The conditions of the motor vehicle movement are such that use of the equipment would constitute a detriment to traffic safety; or

b. The conditions of pedestrian movement are such that use of the equipment would constitute a detriment to traffic safety.

4. Disapproval. In the event the registration statement is disapproved, the Zoning Administrator shall endorse upon the statement the reason for disapproval and return it to the applicant.

5. Appeals. Any decision by the Zoning Administrator may be appealed to the City Council within seven days of action of the Zoning Administrator by filing a notice of appeal with the City Clerk.

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H. Waste haulers/commercial sweepers and leaf blowers. It shall be unlawful for any person within any commercial, industrial, or office complex area of the City to operate any refuse compacting, processing or collection vehicle, parking lot sweeper or leaf blower within 150 feet of residential property between the hours of 10:00 p.m. of one day and 7:00 a.m. of the following day.

I. Loading/unloading. It shall be unlawful for any person in any commercial or industrial area of the City that abuts or is located adjacent to any residential property between the hours of 10:00 p.m. of one day and 7:00 a.m. of the following day to load or unload any vehicle, or operate any dollies, carts, forklifts, or other wheeled equipment that causes any noise that disturbs the peace or quiet of the residential neighborhood.

(2660 § 2, 2005; 2802 § 1, 2011)

§ 8.47.070. Exemptions.

A. Emergency activities. The provisions of this chapter shall not preclude the operation, maintenance, and repair of equipment, apparatus, or facilities of essential public services, including those of governmental agencies and public utilities providing those activities are of an emergency nature or are necessary to maintain the health, safety, and welfare of the citizenry.

B. Community activities. Community events, as described in Section 8.08.060 of the Municipal Code, outdoor gatherings, school bands, dances, shows, and athletic events are hereby exempted from the provisions of this chapter provided such activities are conducted pursuant to a duly authorized license or permit.

C. State and federal preemptions. Motor vehicle and aircraft operations and any other activity whose regulation has been preempted by state or federal law is hereby exempted from the provisions of this chapter.

(2660 § 2, 2005; 2802 § 1, 2011)

§ 8.47.080. Abatement.

The City Manager or his or her designee and his or her duly authorized representatives are hereby directed to enforce the provisions of this chapter by requiring that the alleged offender correct violations and achieve compliance with the provisions of this chapter within a reasonable period of time.

A. The City Manager or his or her designee shall have the power and duty to enforce the following noise control provisions of this Code: Section 8.47.050, Section 8.47.060(A)(2), (C), (H), and (I).

B. The Police Department shall have the power and duty to enforce the following noise control provisions of this Code: Section 8.47.060 (A)(1), (B), (E), (F), (G)(1) and (2).

C. The Building Official shall have the power and duty to enforce the following noise control provisions of this Code: Section 8.47.060(D).

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(2660 § 2, 2005; 2802 § 1, 2011)

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Appendix B

Field Data and Photos

Field Sheet

Project: Santa Catalina Townhomes **Engineer:** B. Morrison **Date:** 05/06/2024
JN: 3075-2023-43

Measurement Address: 5802 Santa Catalina Avenue **City:** Garden Grove, CA **Site No.:** 1

Sound Level Meter:
Piccolo II
Serial # P0222082204
P0222082205
P0221010801

Calibrator:
BSWA
Serial # 500732

Calibration Record:

Meter	Input, dB/	Time	Date
1	94.0	2:07 PM	05/06/2024
2	94.0	1:55 PM	05/06/2024
3	94.0	2:01 PM	05/06/2024
4	/	/	/
5	/	/	/

Conditions (5/7/2024):

Temp (Deg. F.):	High: 72, Low: 55
Windspeed:	3 m.p.h.
Direction:	North
Skies:	Clear

Meter Settings:
- [x] A-WTD
- [ ] C-WTD
- [ ] LINEAR
- [ ] IMPULSE
- [x] SLOW
- [ ] FAST
- [ ] 1/1 OCT
- [ ] 1/3 OCT
- [x] _60_ MINUTE INTERVALS
- [x] L(N) PERCENTILE VALUES

Notes:
Noise measurements were taken at 1-hour intervals over a period of 24 hours. Ambient noise sources during the measurement period consisted primarily of roadway noise from adjacent streets.

Measurement Type:
- [x] Long-term
- [ ] Short-term

1 = Noise Monitoring Location

RK engineering group, inc.

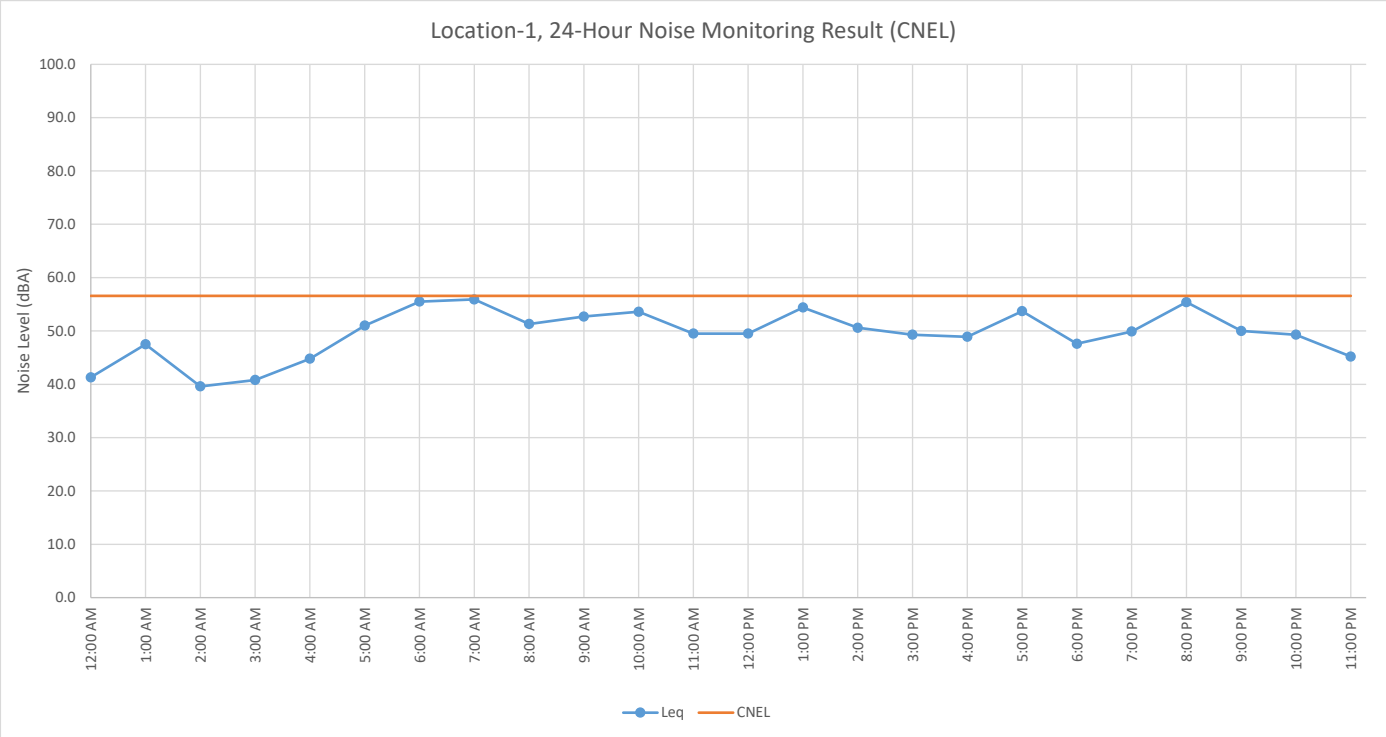
Field Sheet - Noise Monitoring Location 1 Photo

Project: Santa Catalina Townhomes	**Engineer:** B. Morrison	**Date:**	05/06/2024
		JN:	3075-2023-43
Measurement Address: 5802 Santa Catalina Avenue	**City:** Garden Grove, CA	**Location No.:**	1
Notes: Noise Monitoring Location 1 (L-1) was taken near the southeast corner of the project site, approximately 230 feet south of the centerline of Santa Catalina Avenue.			

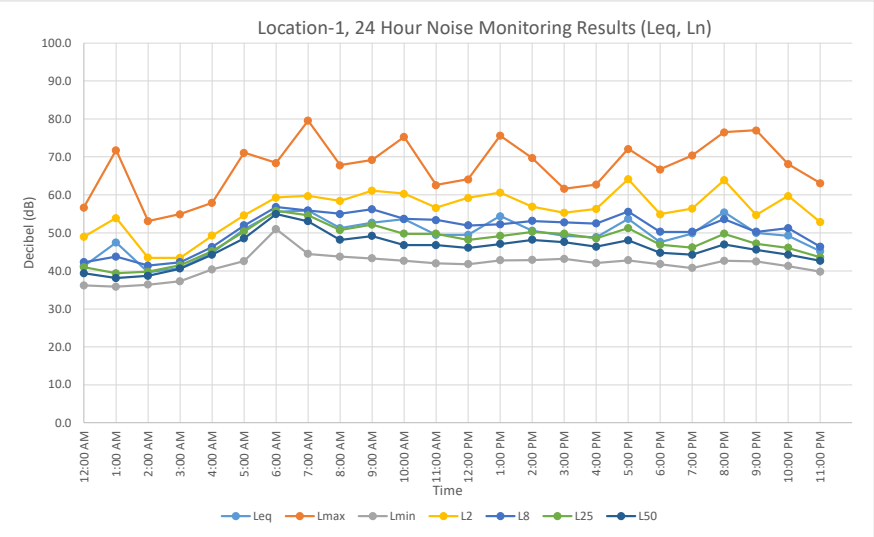
RK engineering group, inc.

Time	Leq	CNEL
12:00 AM	41.3	56.6
1:00 AM	47.5	56.6
2:00 AM	39.6	56.6
3:00 AM	40.8	56.6
4:00 AM	44.8	56.6
5:00 AM	51.0	56.6
6:00 AM	55.5	56.6
7:00 AM	55.9	56.6
8:00 AM	51.3	56.6
9:00 AM	52.7	56.6
10:00 AM	53.6	56.6
11:00 AM	49.5	56.6
12:00 PM	49.5	56.6
1:00 PM	54.4	56.6
2:00 PM	50.6	56.6
3:00 PM	49.3	56.6
4:00 PM	48.9	56.6
5:00 PM	53.7	56.6
6:00 PM	47.6	56.6
7:00 PM	49.9	56.6
8:00 PM	55.4	56.6
9:00 PM	50.0	56.6
10:00 PM	49.3	56.6
11:00 PM	45.2	56.6

Day Min:	47.6
Night Min	39.6



PROJECT:	Santa Catalina Townhomes					JOB #:	3075-2023-43
NOISE METER:	Piccolo II SLM, 24-Hour Measurement					DATE:	05/07/2024
LOCATION:	1					BY:	B. Morrison
Time	Leq	Lmax	Lmin	L2	L8	L25	L50
12:00 AM	41.3	56.7	36.2	49.0	42.3	41.0	39.4
1:00 AM	47.5	71.8	35.8	53.9	43.8	39.4	38.1
2:00 AM	39.6	53.1	36.4	43.5	41.4	39.8	38.7
3:00 AM	40.8	54.9	37.3	43.4	42.3	41.5	40.6
4:00 AM	44.8	57.9	40.4	49.3	46.3	45.2	44.3
5:00 AM	51.0	71.1	42.6	54.6	52.0	50.4	48.6
6:00 AM	55.5	68.4	51.0	59.3	56.8	55.8	55.0
7:00 AM	55.9	79.6	44.5	59.7	55.9	54.6	53.1
8:00 AM	51.3	67.8	43.8	58.4	55.0	50.8	48.2
9:00 AM	52.7	69.2	43.3	61.1	56.2	52.2	49.2
10:00 AM	53.6	75.3	42.7	60.3	53.7	49.8	46.8
11:00 AM	49.5	62.6	42.0	56.6	53.4	49.8	46.8
12:00 PM	49.5	64.1	41.8	59.2	52.0	48.2	46.1
1:00 PM	54.4	75.6	42.8	60.6	52.3	49.2	47.1
2:00 PM	50.6	69.7	42.9	56.9	53.2	50.3	48.2
3:00 PM	49.3	61.6	43.2	55.3	52.8	49.8	47.6
4:00 PM	48.9	62.7	42.1	56.3	52.5	48.6	46.4
5:00 PM	53.7	72.1	42.8	64.2	55.6	51.3	48.1
6:00 PM	47.6	66.7	41.8	54.9	50.3	46.9	44.8
7:00 PM	49.9	70.4	40.8	56.4	50.3	46.2	44.3
8:00 PM	55.4	76.5	42.7	63.9	53.6	49.8	47.0
9:00 PM	50.0	77.0	42.5	54.7	50.3	47.2	45.6
10:00 PM	49.3	68.1	41.3	59.7	51.3	46.1	44.3
11:00 PM	45.2	63.1	39.8	52.9	46.4	43.6	42.7
Daytime	52.1	79.6	40.8	59.6	53.4	50.0	47.7
Nighttime	49.0	71.8	35.8	53.5	50.0	48.7	47.7



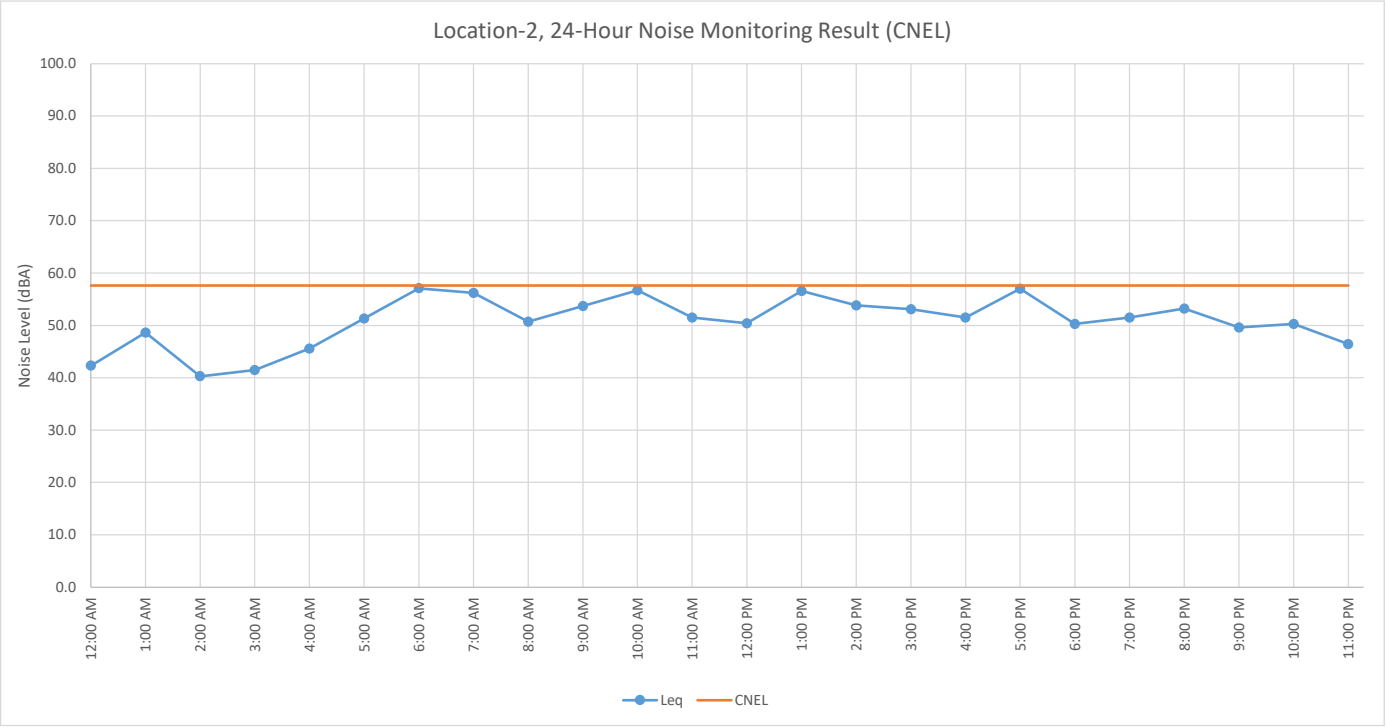
Field Sheet - Noise Monitoring Location 2 Photo

Project: Santa Catalina Townhomes	**Engineer:** B. Morrison	**Date:**	05/06/2024
		JN:	3075-2023-43
Measurement Address: 5802 Santa Catalina Avenue	**City:** Garden Grove, CA	**Location No.:**	2
Notes: Noise Monitoring Location 2 (L-2) was taken near the southern boundary of the project site, approximately 330 feet south of the centerline of Santa Catalina Avenue.			

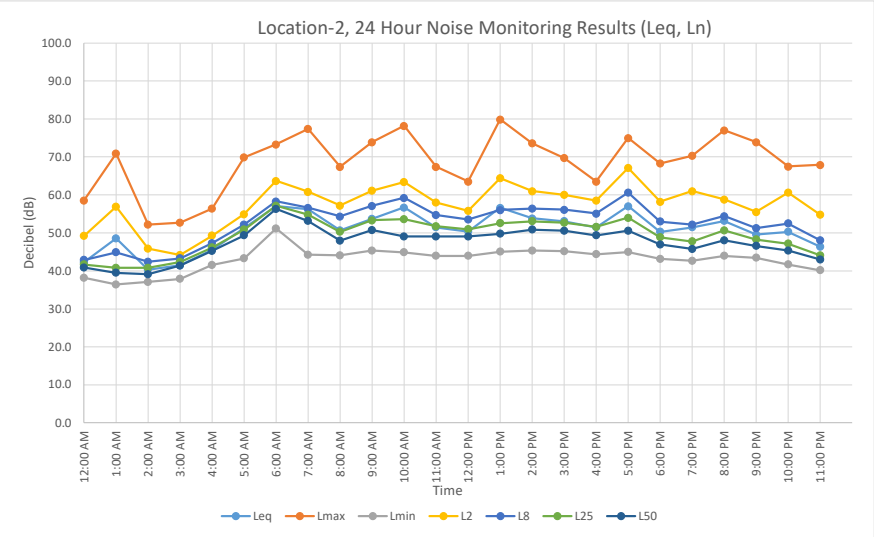
RK engineering group, inc.

Time	Leq	CNEL
12:00 AM	42.3	57.7
1:00 AM	48.6	57.7
2:00 AM	40.3	57.7
3:00 AM	41.5	57.7
4:00 AM	45.6	57.7
5:00 AM	51.3	57.7
6:00 AM	57.1	57.7
7:00 AM	56.2	57.7
8:00 AM	50.7	57.7
9:00 AM	53.7	57.7
10:00 AM	56.7	57.7
11:00 AM	51.5	57.7
12:00 PM	50.4	57.7
1:00 PM	56.6	57.7
2:00 PM	53.8	57.7
3:00 PM	53.1	57.7
4:00 PM	51.5	57.7
5:00 PM	57.0	57.7
6:00 PM	50.3	57.7
7:00 PM	51.5	57.7
8:00 PM	53.2	57.7
9:00 PM	49.6	57.7
10:00 PM	50.3	57.7
11:00 PM	46.4	57.7

Day Min:	49.6
Night Min	40.3



PROJECT:	Santa Catalina Townhomes					JOB #:	3075-2023-43
NOISE METER:	Piccolo II SLM, 24-Hour Measurement					DATE:	05/07/2024
LOCATION:	2					BY:	B. Morrison
Time	Leq	Lmax	Lmin	L2	L8	L25	L50
12:00 AM	42.3	58.5	38.2	49.2	42.9	41.7	40.9
1:00 AM	48.6	70.9	36.4	56.9	44.9	40.8	39.5
2:00 AM	40.3	52.2	37.1	45.9	42.4	40.8	39.1
3:00 AM	41.5	52.7	37.9	44.2	43.3	42.4	41.4
4:00 AM	45.6	56.4	41.6	49.3	47.3	46.2	45.3
5:00 AM	51.3	69.9	43.3	54.9	52.2	50.9	49.4
6:00 AM	57.1	73.3	51.2	63.7	58.3	57.2	56.3
7:00 AM	56.2	77.4	44.3	60.8	56.6	54.8	53.2
8:00 AM	50.7	67.4	44.1	57.2	54.3	50.3	48.0
9:00 AM	53.7	73.9	45.4	61.1	57.1	53.3	50.8
10:00 AM	56.7	78.2	44.9	63.4	59.2	53.6	49.1
11:00 AM	51.5	67.4	44.0	58.0	54.7	51.8	49.1
12:00 PM	50.4	63.5	44.0	55.8	53.5	51.0	49.1
1:00 PM	56.6	79.9	45.1	64.4	56.0	52.6	49.8
2:00 PM	53.8	73.6	45.4	61.0	56.4	53.1	50.9
3:00 PM	53.1	69.7	45.2	60.0	56.1	52.7	50.6
4:00 PM	51.5	63.5	44.4	58.5	55.1	51.6	49.4
5:00 PM	57.0	75.0	45.0	67.1	60.6	54.0	50.6
6:00 PM	50.3	68.3	43.2	58.2	53.0	48.9	47.0
7:00 PM	51.5	70.3	42.7	61.0	52.2	47.8	45.8
8:00 PM	53.2	77.0	44.0	58.8	54.4	50.7	48.1
9:00 PM	49.6	73.9	43.5	55.5	51.3	48.3	46.6
10:00 PM	50.3	67.5	41.7	60.6	52.5	47.2	45.4
11:00 PM	46.4	67.9	40.2	54.8	48.1	44.1	43.0
Daytime	53.6	79.9	41.7	61.2	55.9	51.9	49.4
Nighttime	50.2	73.3	36.4	56.6	51.2	49.8	48.8



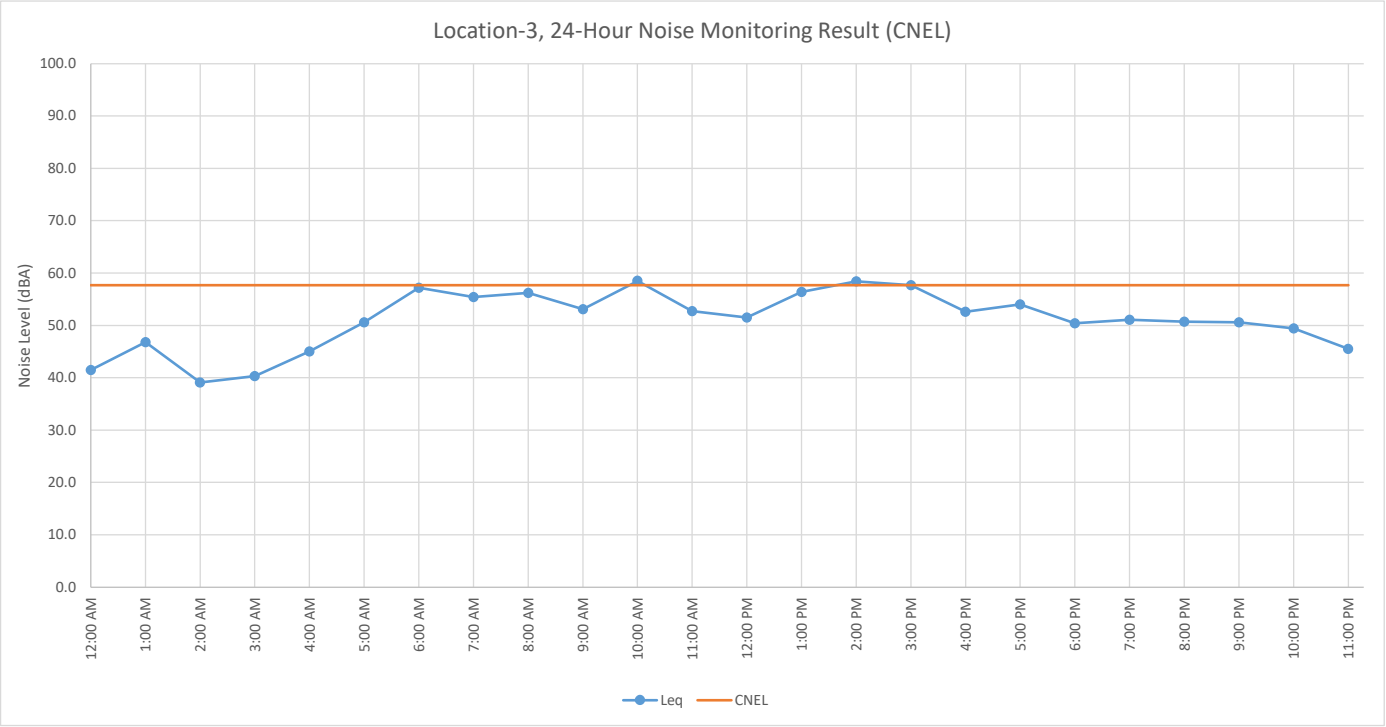
Field Sheet - Noise Monitoring Location 3 Photo

Project: Santa Catalina Townhomes	**Engineer:** B. Morrison	**Date:**	05/06/2024
		JN:	3075-2023-43
Measurement Address: 5802 Santa Catalina Avenue	**City:** Garden Grove, CA	**Location No.:**	3
Notes: Noise Monitoring Location 3 (L-3) was taken near the northwest corner of the project site, approximately 220 feet south of the centerline of Santa Catalina Avenue.			

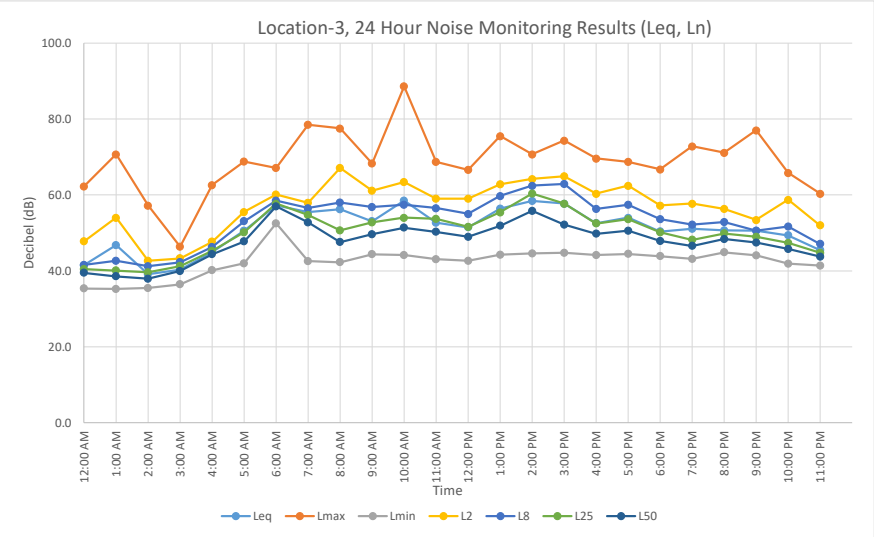
RK engineering group, inc.

Time	Leq	CNEL
12:00 AM	41.5	57.7
1:00 AM	46.8	57.7
2:00 AM	39.1	57.7
3:00 AM	40.3	57.7
4:00 AM	45.0	57.7
5:00 AM	50.6	57.7
6:00 AM	57.2	57.7
7:00 AM	55.4	57.7
8:00 AM	56.2	57.7
9:00 AM	53.1	57.7
10:00 AM	58.5	57.7
11:00 AM	52.7	57.7
12:00 PM	51.5	57.7
1:00 PM	56.4	57.7
2:00 PM	58.4	57.7
3:00 PM	57.7	57.7
4:00 PM	52.6	57.7
5:00 PM	54.0	57.7
6:00 PM	50.4	57.7
7:00 PM	51.1	57.7
8:00 PM	50.7	57.7
9:00 PM	50.6	57.7
10:00 PM	49.4	57.7
11:00 PM	45.5	57.7

Day Min:	50.4
Night Min	39.1



PROJECT:	Santa Catalina Townhomes					JOB #:	3075-2023-43
NOISE METER:	Piccolo II SLM, 24-Hour Measurement					DATE:	05/07/2024
LOCATION:	3					BY:	B. Morrison
Time	Leq	Lmax	Lmin	L2	L8	L25	L50
12:00 AM	41.5	62.2	35.4	47.8	41.6	40.5	39.5
1:00 AM	46.8	70.7	35.2	54.0	42.7	40.1	38.6
2:00 AM	39.1	57.2	35.5	42.7	41.2	39.6	37.9
3:00 AM	40.3	46.4	36.5	43.3	42.3	41.3	40.0
4:00 AM	45.0	62.6	40.2	47.7	46.3	45.3	44.4
5:00 AM	50.6	68.8	42.0	55.5	53.1	50.2	47.8
6:00 AM	57.2	67.1	52.5	60.1	58.5	57.7	57.0
7:00 AM	55.4	78.5	42.6	57.9	56.5	54.7	52.8
8:00 AM	56.2	77.5	42.3	67.1	58.0	50.7	47.6
9:00 AM	53.1	68.3	44.4	61.1	56.8	52.8	49.7
10:00 AM	58.5	88.6	44.2	63.4	57.4	54.0	51.4
11:00 AM	52.7	68.7	43.1	59.0	56.5	53.7	50.3
12:00 PM	51.5	66.6	42.7	59.0	55.0	51.6	49.0
1:00 PM	56.4	75.5	44.3	62.8	59.7	55.4	51.9
2:00 PM	58.4	70.7	44.6	64.2	62.4	60.4	55.8
3:00 PM	57.7	74.3	44.8	64.9	62.9	57.7	52.2
4:00 PM	52.6	69.6	44.2	60.3	56.3	52.5	49.8
5:00 PM	54.0	68.7	44.5	62.4	57.4	53.6	50.6
6:00 PM	50.4	66.7	43.9	57.2	53.6	50.2	47.9
7:00 PM	51.1	72.8	43.2	57.7	52.2	48.2	46.6
8:00 PM	50.7	71.1	44.9	56.3	52.9	49.9	48.4
9:00 PM	50.6	77.0	44.1	53.4	50.6	49.0	47.5
10:00 PM	49.4	65.8	41.9	58.7	51.7	47.4	45.8
11:00 PM	45.5	60.3	41.4	52.0	47.1	44.8	43.8
Daytime	54.7	88.6	41.9	61.7	57.7	54.1	50.6
Nighttime	49.9	70.7	35.2	53.9	51.3	50.0	49.1



Appendix C

Stationary Noise
Calculation Worksheets

NOISE BARRIER CALCULATIONS - BASED UPON FHWA - RD-77-108

PROJECT:	Santa Catalina Townhomes Project	JOB #:	3075-2023-43
SOURCE:	Single HVAC Unit	DATE:	5/7/2024
LOCATION:	Nearest adjacent receptor	BY:	B. Morrison

NOISE INPUT DATA

OBS DIST=	45.0			
DT WALL=	35.0			
DT W/OB=	10.0			
HTH WALL=	5.0	********		
BARRIER =	0.0	(0=WALL,1=BERM)		
OBS HTH=	5.0			
NOISE HTH=	3.0		BARRIER+	
OBS EL =	0.0		TOPO SHIELDING =	-5.09
NOISE EL =	0.0		NOISE HTH EL=	3.0
DROP-OFF=	15.0	(20 = 6 dBA PER DOUBLING OF DISTANCE)		

NOISE OUTPUT DATA (dBA)

	DIST (FT)	Leq	Lmax	L2	L8	L25	L50
REF LEVEL	1	75.0	75.0	75.0	75.0	75.0	75.0
PROJ LEVEL	45	50.2	50.2	50.2	50.2	50.2	50.2
SHIELDING	45	-5.1	-5.1	-5.1	-5.1	-5.1	-5.1
ADJ LEVEL	45	***45.1***	***45.1***	***45.1***	***45.1***	***45.1***	***45.1***

NOISE LEVEL REDUCTION DUE TO DISTANCE = -24.7981877

NOISE BARRIER CALCULATIONS - BASED UPON FHWA - RD-77-108

PROJECT:	Santa Catalina Townhomes Project	JOB #:	3075-2023-43
SOURCE:	Dog Run	DATE:	6/7/2024
LOCATION:	Nearest adjacent receptor	BY:	B. Morrison

NOISE INPUT DATA

OBS DIST=	10.0			
DT WALL=	0.0			
DT W/OB=	10.0			
HTH WALL=	6.0	********		
BARRIER =	0.0	(0=WALL,1=BERM)		
OBS HTH=	5.0			
NOISE HTH=	3.0		BARRIER+	
OBS EL =	0.0		TOPO SHIELDING =	-13.20
NOISE EL =	0.0		NOISE HTH EL=	3.0
DROP-OFF=	15.0	(20 = 6 dBA PER DOUBLING OF DISTANCE)		

NOISE OUTPUT DATA (dBA)

	DIST (FT)	Leq	Lmax	L2	L8	L25	L50
REF LEVEL	13	60.4	80.4	71.6	63.9	53.0	49.8
PROJ LEVEL	10	62.1	82.1	73.3	65.6	54.7	51.5
SHIELDING	10	-13.2	-13.2	-13.2	-13.2	-13.2	-13.2
ADJ LEVEL	10	***48.9***	***68.9***	***60.1***	***52.4***	***41.5***	***38.3***

NOISE LEVEL REDUCTION DUE TO DISTANCE = 1.70915028

Appendix D

Construction Noise and Vibration
Calculation Worksheets

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 5/8/2024
Case Description: Santa Catalina Townhomes

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Demolition	Residential	47.6	47.6	47.6

Equipment

Description	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Concrete Saw	No	100		89.6	145	0
Tractor	No	100	84		145	0

Results

		Calculated (dBA) *Lmax	Leq
Equipment			
Concrete Saw		80.4	80.4
Tractor		74.8	74.8
	Total	80.4	81.4

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 5/8/2024
Case Description: Santa Catalina Townhomes

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Site Preparation	Residential	47.6	47.6	47.6

Equipment

Description	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Grader	No	100	85		145	0
Tractor	No	100	84		145	0

Results

		Calculated (dBA) *Lmax	Leq
Equipment			
Grader		75.8	75.8
Tractor		74.8	74.8
	Total	75.8	78.3

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 5/8/2024
Case Description: Santa Catalina Townhomes

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Grading	Residential	47.6	47.6	47.6

Equipment

Description	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Grader	No	100	85		145	0
Tractor	No	100	84		145	0

Results

		Calculated (dBA) *Lmax	Leq
Equipment			
Grader		75.8	75.8
Tractor		74.8	74.8
	Total	75.8	78.3

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 5/8/2024
Case Description: Santa Catalina Townhomes

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Building Construction	Residential	47.6	47.6	47.6

Equipment

Description	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Crane	No	100		80.6	145	0
Generator	No	100		80.6	145	0

Results

		Calculated (dBA) *Lmax	Leq
Equipment			
Crane		71.4	71.4
Generator		71.4	71.4
	Total	71.4	74.4

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 5/8/2024
Case Description: Santa Catalina Townhomes

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Paving	Residential	47.6	47.6	47.6

Equipment

Description	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Concrete Mixer Truck	No	100		78.8	145	0
Paver	No	100		77.2	145	0

Results

	Calculated (dBA)	
Equipment	*Lmax	Leq
Concrete Mixer Truck	69.6	69.6
Paver	68	68
Total	69.6	71.8

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 5/8/2024
Case Description: Santa Catalina Townhomes

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Architectural Coating	Residential	47.6	47.6	47.6

Equipment

Description	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Compressor (air)	No	100		77.7	145	0

Results

		Calculated (dBA) *Lmax	Leq
Equipment			
Compressor (air)		68.5	68.5
	Total	68.5	68.5

*Calculated Lmax is the Loudest value.

VIBRATION IMPACTS FROM CONSTRUCTION AND OPERATIONS

PROJECT:	Santa Catalina Townhomes	JOB #:	3075-2023-43
ACTIVITY:	Vibration Impact Study	DATE:	5/8/2024
LOCATION:	Nearest adjacent structures	ENGINEER:	B. Morrison

VIBRATION INPUT/OUTPUT DATA

OTHER CONSTRUCTION EQUIPMENT

$$PPV = PPV_{ref}(25/D)^{n} \text{ (in/sec)}$$

PPV =	**0.244**	**in/sec**

Equipment Type =	2	Large Bulldozer
PPV_{ref} =	0.089	Reference PPV at 25 ft.
D =	10.00	Distance from Equipment to receiver in ft.
n =	1.10	Vibration attenuation rate through the ground

EQUIPMENT PPV REFERENCE LEVELS

Type	Equipment	Reference PPV
1	Vibratory Roller	0.210
2	Large Bulldozer	0.089
3	Caisson Drilling	0.089
4	Loaded Trucks	0.076
5	Jackhammer	0.035
6	Small Bulldozer	0.003
7	Crack and Seat	2.400

VIBRATION IMPACTS FROM CONSTRUCTION AND OPERATIONS

PROJECT:	Santa Catalina Townhomes	JOB #:	3075-2023-43
ACTIVITY:	Vibration Impact Study	DATE:	5/8/2024
LOCATION:	Nearest adjacent structures	ENGINEER:	B. Morrison

VIBRATION INPUT/OUTPUT DATA

OTHER CONSTRUCTION EQUIPMENT

$$PPV = PPV_{ref}(25/D)^{n} \text{ (in/sec)}$$

PPV =	**0.268**	**in/sec**

Equipment Type =	1	Vibratory Roller
PPV_{ref} =	0.210	Reference PPV at 25 ft.
D =	20.00	Distance from Equipment to receiver in ft.
n =	1.10	Vibration attenuation rate through the ground

EQUIPMENT PPV REFERENCE LEVELS

Type	Equipment	Reference PPV
1	Vibratory Roller	0.210
2	Large Bulldozer	0.089
3	Caisson Drilling	0.089
4	Loaded Trucks	0.076
5	Jackhammer	0.035
6	Small Bulldozer	0.003
7	Crack and Seat	2.400

VIBRATION IMPACTS FROM CONSTRUCTION AND OPERATIONS

PROJECT:	Santa Catalina Townhomes	JOB #:	3075-2023-43
ACTIVITY:	Vibration Impact Study	DATE:	5/8/2024
LOCATION:	Nearest adjacent structures	ENGINEER:	B. Morrison

VIBRATION INPUT/OUTPUT DATA

OTHER CONSTRUCTION EQUIPMENT

$$PPV = PPV_{ref}(25/D)^{n} \text{ (in/sec)}$$

PPV =	**0.208**	**in/sec**

Equipment Type =	4	Loaded Trucks
PPV_{ref} =	0.076	Reference PPV at 25 ft.
D =	10.00	Distance from Equipment to receiver in ft.
n =	1.10	Vibration attenuation rate through the ground

EQUIPMENT PPV REFERENCE LEVELS

Type	Equipment	Reference PPV
1	Vibratory Roller	0.210
2	Large Bulldozer	0.089
3	Caisson Drilling	0.089
4	Loaded Trucks	0.076
5	Jackhammer	0.035
6	Small Bulldozer	0.003
7	Crack and Seat	2.400

Appendix E

RK Resumes of Key Personnel

BRYAN ESTRADA

AICP, PTP, PRINCIPAL

Education

University of California, Irvine, B.A., Urban Studies

Professional History

RK Engineering Group, Inc., Principal, 2007 – Present

Certifications

American Institute of Certified Planners (AICP)
Professional Transportation Planner (PTP)

Affiliations

American Planning Association (APA)
Association of Environmental Professionals (AEP)
Orange County Traffic Engineering Council (OCTEC)

Volunteer

Costa Mesa Active Transportation Committee – Member (2019 – 2023)

Representative Experience

Bryan Estrada, AICP, PTP, RK Engineering Group, Inc. (RK) Principal, oversees the Environmental Department, providing Air Quality, Greenhouse Gas, Noise, and Energy Conservation consulting services. He also oversees Transportation Planning projects and has led RK's efforts to be at the forefront of offering Vehicle Miles Traveled modeling services.

A native of Southern California and an alum of the University of California, Irvine, School of Planning, Policy and Design where he received a Bachelor of Arts degree in Urban Studies, Estrada's experience includes traffic engineering and transportation planning, air quality and greenhouse gas analysis, and environmental acoustics and noise analyses. He has contributed to the design of traffic signals, signing and striping plans and traffic control plans. He is frequently engaged with clients and developers, local government agencies and community groups to craft innovative solutions to traffic, noise and air quality impact mitigation.

Estrada is an active member of the American Planning Association (APA) and the Association of Environmental Professionals (AEP) and stays up to date on the latest trends and topics concerning CEQA policy. He has earned the American Institute of Certified Planners (AICP) certification granted by the American Planning Association and the Professional Transportation Planner (PTP) certification granted by the Transportation Professional Certification Board.

Estrada previously served on the Costa Mesa Active Transportation Committee from 2019-2023.

AREAS OF EXPERTISE

Transportation Planning

Traffic Engineering

Traffic Impact Studies

Traffic Calming

Parking

Vehicle Miles Traveled

Active Transportation & Bicycle Planning

Air Quality Emissions

Greenhouse Gas and Global Climate Change

Acoustical Engineering

Noise & Vibration Impact Studies

Energy Conservation

CEQA Compliance

BECCA MORRISON

PLANNER II

Education

Chapman University, Orange B.S., Environmental Science and Policy, 2022
Specialization in Environmental Policy

Currently pursuing her Engineer-in-Training license

Professional History

RK Engineering Group, Inc., Planner II, 2022 - Present

San Diego State University Research Foundation, Data Analyst for Naval Information Warfare Center Pacific, 2020 - 2020

Representative Experience

Ms. Becca Morrison, a native of Southern California, attended Chapman University, where she earned a degree in Environmental Science and Policy. Her diverse educational and professional background has equipped her with a comprehensive understanding of environmental challenges and their solutions.

Since 2022, Ms. Morrison has gained extensive experience in various aspects of Environmental Planning while working with RK Engineering Group. She has analyzed data on Air Quality, Greenhouse Gas, Energy, and Noise, and has assisted in developing mitigation measures to reduce the environmental impacts of future developments. Additionally, she has conducted several traffic studies and developed recommendations to meet the standards of respective jurisdictions and agencies.

Currently, Ms. Morrison contributes to the Environmental Department, where she regularly conducts Air Quality, Greenhouse Gas, Energy Impact, and Noise Impact Studies. She also performs field assessments of project sites. Ms. Morrison collaborates closely with several agencies across Southern California to assist clients in securing approval for their proposed projects. Her recent work includes, but is not limited to, the following:

Alicia Town Center Ralph's Fuel Center Air Quality, Greenhouse Gas, and Health Risk Assessment Impact Study
City of Laguna Hills

Rancho Tierra Specific Plan Noise Impact Study and Air Quality, Greenhouse Gas, & Energy Impact Study
City of Victorville

PBP Industrial Project Noise Impact Study and Air Quality, Greenhouse Gas, and Energy Impact Study
City of Palmdale

AREAS OF EXPERTISE

Air Quality Emissions

Greenhouse Gas and Global Climate Change

Acoustical Engineering

Noise & Vibration Impact Studies

Energy Conservation

CEQA Compliance

Appendix H

Santa Catalina Townhomes Residential Project Trip Generation & Vehicle Miles Traveled (VMT) Screening Analysis, City of Garden Grove

RK Engineering

June 6, 2024

Revised August 30, 2024

November 6, 2024

Ms. Lindsay Ortega
SAGECREST PLANNING + ENVIRONMENTAL
27128 Paseo Espada, Suite 1524
San Juan Capistrano, CA 92675

Subject: Santa Catalina Townhomes Residential Project Trip Generation & Vehicles Miles Traveled (VMT) Screening Analysis, City of Garden Grove

Dear Ms. Ortega:

Introduction

RK ENGINEERING GROUP, INC. (RK) is pleased to provide this Trip Generation and Vehicle Miles Traveled (VMT) Screening Analysis for the proposed Santa Catalina Townhomes Residential Project (hereinafter referred to as "project").

The purpose of this study is to utilize the *City of Garden Grove Traffic Impact Analysis Guidelines for Vehicle Miles Traveled and Level of Service Assessment,* dated May 2020, which establishes uniform analysis methodologies and thresholds of significance for determining VMT impacts under the California Environmental Quality Act (CEQA) as well as LOS impacts for non-CEQA purposes. This memorandum evaluates whether the project will require a detailed VMT modeling analysis and /or level of service (LOS) analysis for non-CEQA purposes.

Project Description

The project site is located at 5802 Santa Catalina Avenue, generally bound between Santa Catalina Avenue to the north, Santa Barbara Avenue to the east/south, and an alleyway to the west, in the City of Garden Grove. The project site is currently occupied by Grace Baptist Church, which also previously leased space to a private preschool operator during weekdays (Look Who's Learning Preschool) which ceased operations in May of 2024. The Look Who's Learning Preschool opened in September of 2002 and was licensed for a maximum student enrollment of 62 children. At the time the preschool ceased operations (May 2024), only 20 children were enrolled.

1401 dove street, ste. 540
newport beach, ca 92660
(949) 474-0809
rkengineer.com

The project includes subdividing the lot into two (2) parcels, one for the existing Church (i.e. approximately 1.3 acres) and a second parcel for the future townhome development (i.e. approximately 1.73 acres) which contains part of the Look Who's Learning Preschool that will be partly razed.

The project proposes to construct twenty-six (26) two-story residential townhomes on the future residential parcel which contains razing an existing ancillary building that is part of the Look Who's Learning Preschool. The existing Church will remain in operation on the adjacent parcel and will continue to operate without the Look Who's Learning Preschool.

The proposed project will provide 52 spaces via private garages and 28 spaces via onsite open parking. In addition, the project proposes to include an amenity area with only a small dog park and outdoor seating. A six-foot-tall concrete masonry unit (CMU) wall will be constructed along the northern, western, and southern boundaries of the project site.

The project also involves a General Plan Amendment from Low Density Residential (LDR) to Low Medium Density Residential (LMR) and a zone change from R-1 Single Family Residential to R-3 Multiple-family Residential.

Access to the project is proposed via three (3) unsignalized driveways located on Santa Barabara Avenue and two (2) emergency vehicle access gated driveways along the alleyway.

Exhibit A shows an aerial location map of the project site. **Exhibit B** shows the project's proposed site plan.

Trip Generation

Trip generation represents the amount of traffic that is attracted and produced by a development.

Trip generation is estimated based on the trip generation rates from the latest *Institute of Transportation Engineers (ITE) Trip Generation Manual*. The latest version (11th Edition, 2021) of the ITE Manual was utilized for this trip generation analysis. The publication provides a comprehensive evaluation of trip generation rates for a variety of land uses.

The project proposes to construct twenty-six (26) residential townhomes on the future residential parcel. As previously mentioned, the existing Church will remain in operation on the adjacent parcel and will continue to operate without the Look Who's Learning

Preschool. Although the preschool recently ceased operations and is currently not generating any traffic, it is still appropriate to take an existing trip credit as part of the project's proposed trip generation forecast since conditions have fluctuated over time and these trips had historically occurred at the site (CEQA Guidelines § 15125(a)(1)). As previously discussed, the proposed project will be constructed where part of the preschool once operated. As such, ITE Land Use Code 215: Single-Family Attached Housing and ITE Land Use Code 565: Day Care Center trip rates accurately reflect the proposed project and existing land uses, respectively. The top portion of Table 1 shows the ITE trip generation rates (11th Edition) utilized for the trip generation analysis of the proposed project land use.

In order to provide a conservative analysis, the existing trip credits are based on the enrollment at the time the preschool ceased operations (20 students) as opposed to the maximum approved enrollment (62 students).

As shown in the middle of Table 1, the proposed project is forecast to generate approximately 187 daily trips which includes approximately 12 AM peak hour trips and approximately 15 PM peak hour trips. Similarly, the recently closed preschool generated approximately 82 daily trips which includes approximately 16 AM peak hour trips and approximately 16 PM peak hour trips at the time the preschool ceased operations.

As shown at the bottom of Table 1, when the proposed project is compared to the recently closed preschool, the project will generate approximately 105 greater daily trips which include approximately 4 fewer AM peak hour trips and approximately 1 less PM peak hour trip.

Table 1
Project Trip Generation Rates & Forecast[1]

Land Use (ITE Code)	Quantity	Units[2]	Weekday						Daily
			AM Peak Hour			PM Peak Hour			
			In	Out	Total	In	Out	Total	
Trip Generation Rates									
Single-Family Attached Housing (215)	--	DU	25%	75%	0.48	59%	41%	0.57	7.20
Day Care Center (565)	--	Students	53%	47%	0.78	47%	53%	0.79	4.09
Trip Generation Forecast									
Proposed Project Trip Generation Forecast									
Santa Catalina Townhomes [A]	26	DU	3	9	12	10	5	15	187
Existing Trip Generation Forecast									
Look Who's Learning Preschool [B]	20	Students	8	8	16	8	8	16	82
Total Net Trip Generation Forecast [A] - [B]			**-5**	**+1**	**-4**	**+2**	**-3**	**-1**	**+105**

[1] Source: ITE Trip Generation Manual (11th Edition, 2021).
[2] DU = Dwelling Units.

Per the City of Garden Grove TIA Guidelines, a traffic impact analysis, based on LOS analysis for non-CEQA purposes, shall be required for a proposed project when either the AM or PM peak hour trip generation is expected to exceed 50 vehicle trips. Based on the published rates from the latest ITE Manual, the proposed project is not expected to exceed 50 peak hour trips (i.e., 12 gross AM peak hour trips and 15 gross PM peak hour trips). Therefore, the proposed project is <u>not required</u> to prepare a delay-based traffic impact analysis for non-CEQA purposes.

VMT Screening Assessment

The City of Garden Grove Guidelines identify three (3) types of screening criteria that determine whether or not development projects require a project-level VMT assessment.

The results of the screening assessment are summarized in Table 2.

Table 2
Step 1: Transit Priority Area Screening Check for Appropriateness

Criteria	Satisfied
• *Step 1: Transit Priority Area (TPA) Screening*	Not Satisfied
• *Step 2: Low VMT Area Screening*	Not Satisfied
• ***Step 3: Project Type Screening***	**Satisfied**

The following section provides additional information on the VMT Screening Assessment.

➢ Step 1: Transit Priority Area (TPA) Screening

Per the City's VMT guidelines, projects which are located within a TPA may be presumed to have a less than significant impact absent substantial evidence to the contrary. A TPA is defined as a half mile area around an existing major transit stop or an existing stop along a high-quality transit corridor.

The City's VMT guidelines indicate that the use of the TPA Screening may *NOT* be appropriate if the project:

1. Has a Floor Area Ratio (FAR) of less than 0.75;
2. Includes more parking for use by residents, customers, or employees of the project than required by the City;
3. Is inconsistent with the applicable Sustainable Communities Strategy (as determined by the lead agency, with input from the Southern California Association of Governments [SCAG]); or
4. Replaces affordable residential units with a smaller number of moderate- or high-income residential units.

The City of Garden Grove has developed a TPA map as part of the City of Garden Grove VMT Impact Analysis Methodologies Assessment memorandum, which was utilized to determine whether the project can be screened out based on the TPA screening criteria. The City of Garden Grove TPA map is provided in **Exhibit C**.

As shown in Exhibit C, the proposed project is not situated in an existing TPA. As such, the proposed project does not satisfy Step 1: Transit Priority Area (TPA) Screening criteria.

- **Step 2: Low VMT Area Screening**

Per the City's VMT guidelines, residential and office projects located within a low VMT-generating area may be presumed to have a less than significant impact absent substantial evidence to the contrary.

The City of Garden Grove has developed a Low VMT Area map as part of the City of Garden Grove VMT Impact Analysis Methodologies Assessment memorandum, which was utilized to determine whether the project can be screened out based on the Low VMT Area Screening criteria. The Garden Grove Low VMT Area map is provided in **Exhibit D**.

As shown in Exhibit D, the proposed project is located in a traffic analysis zone (TAZ) with a total VMT per service population that is higher than the County average. As such, the proposed project does not satisfy Step 2: Low VMT Area Screening criteria.

- **Step 3: Project Type Screening**

According to the City's VMT guidelines, land use projects that are local serving in nature can be presumed to have a less than significant impact absent substantial evidence to the contrary. These include the following land use types:

- Local-serving K-12 schools
- Local parks
- Day care centers
- Local-serving retail uses less than 50,000 square feet, including:
    - Gas stations
    - Banks
    - Restaurants
    - Shopping centers
- Local-serving hotels (e.g., non-destination hotels)
- Student housing projects on or adjacent to a college campus
- Local-serving assembly uses (places of worship, community organizations)
- Community institutions (public libraries, fire stations, local government)
- Affordable, supportive, or transitional housing
- Assisted living facilities

- Senior housing (as defined by HUD)
- Local serving community colleges that are consistent with the assumptions noted in the RTP/SCS
- Projects generating less than 110 daily vehicle trips
    - This generally corresponds to the following "typical" development potentials:
        - 11 single family housing units
        - 16 multi-family, condominiums, or townhouse housing units
        - 10,000 square feet of office
        - 15,000 square feet of industrial
        - 63,000 square feet of warehousing
        - 79,000 square feet of high cube transload and short-term storage warehouse

As discussed above, the proposed project is forecast to generate 105 net new daily trips. As a result, the proposed project does satisfy Step 3: Project Type Screening criteria (i.e., the project is forecast to generate less than 110 net new daily vehicle trips). Therefore, the project can be screened out of a detailed VMT analysis and is presumed to have a less than significant impact on VMT under CEQA.

Conclusions

RK Engineering Group, Inc. has completed this Trip Generation and Vehicle Miles Traveled (VMT) Screening Assessment for the proposed Santa Catalina Townhomes Residential Project.

Per the City of Garden Grove TIA Guidelines, a delay-based (LOS) traffic impact analysis, shall be required for a proposed project for non-CEQ purposes when either the AM or PM peak hour trip generation is expected to exceed 50 vehicle trips from the proposed development. Based on the published rates from the latest ITE Manual, the proposed project is not expected to exceed 50 peak hour trips (i.e., 12 gross AM peak hour trips and 15 gross PM peak hour trips). Therefore, the proposed project is not required to prepare a delay-based traffic impact analysis.

Furthermore, the proposed project satisfies the VMT screening requirements based on Step 3: Project Type Screening. As a result, the project can be screened out of a detailed VMT analysis and is presumed to have a less than significant impact on VMT under CEQA.

RK Engineering Group, Inc. appreciates this opportunity to assist SAGECREST PLANNING + ENVIRONMENTAL with this project. If you have any questions regarding this study, please do not hesitate to contact us at (949) 474-0809.

Sincerely,

RK ENGINEERING GROUP, INC.

Justin Tucker, P.E., T.E.
Associate Principal

Sabrina Ayala
Engineer I

LICENSED PROFESSIONAL ENGINEER
JUSTIN J. TUCKER
TR 3055
EXP. 03/31/26
TRAFFIC
STATE OF CALIFORNIA

Exhibits

Exhibit A

Location Map

N

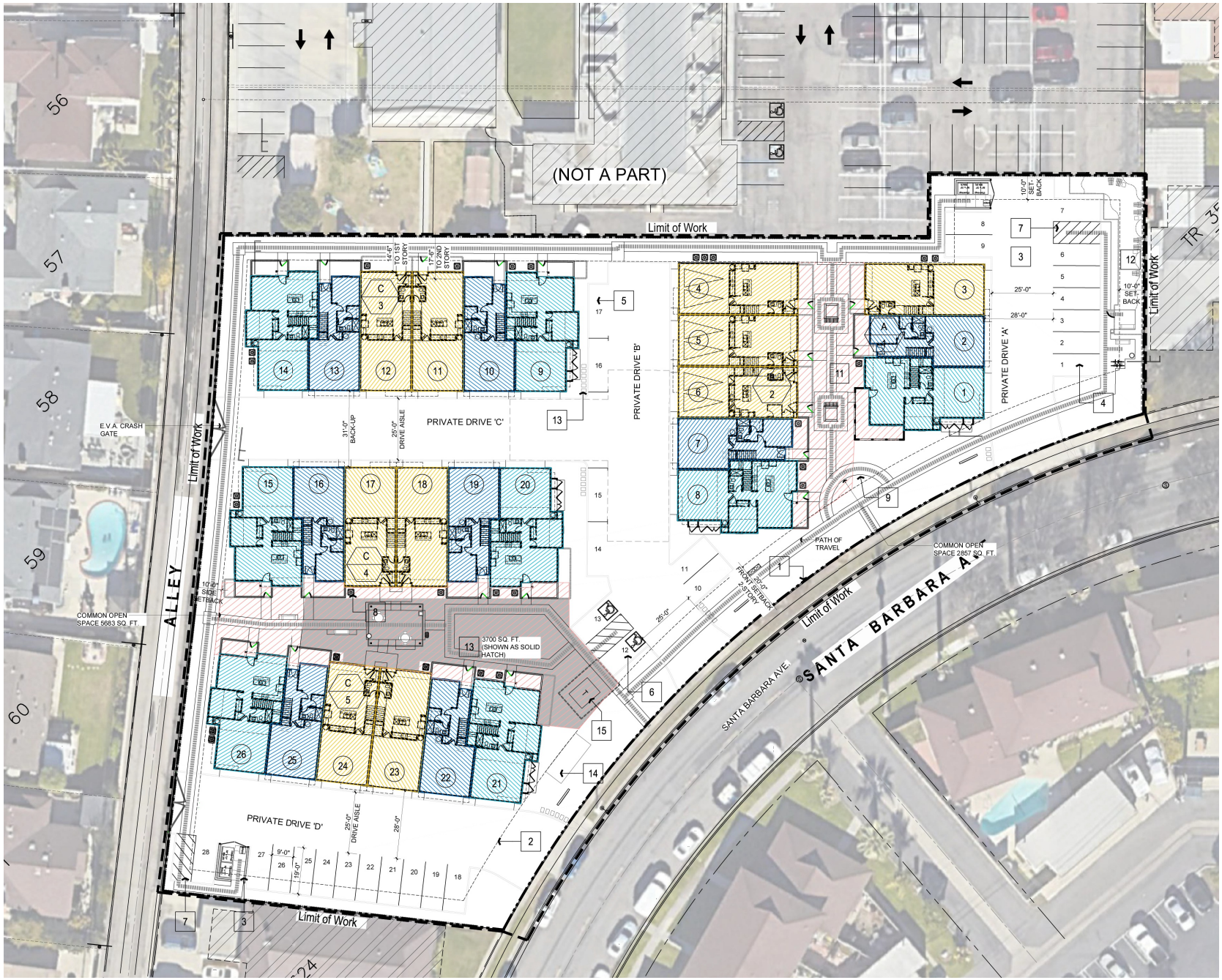
Legend:

= Project Site Boundary

RK engineering group, inc.

Exhibit B

Site Plan

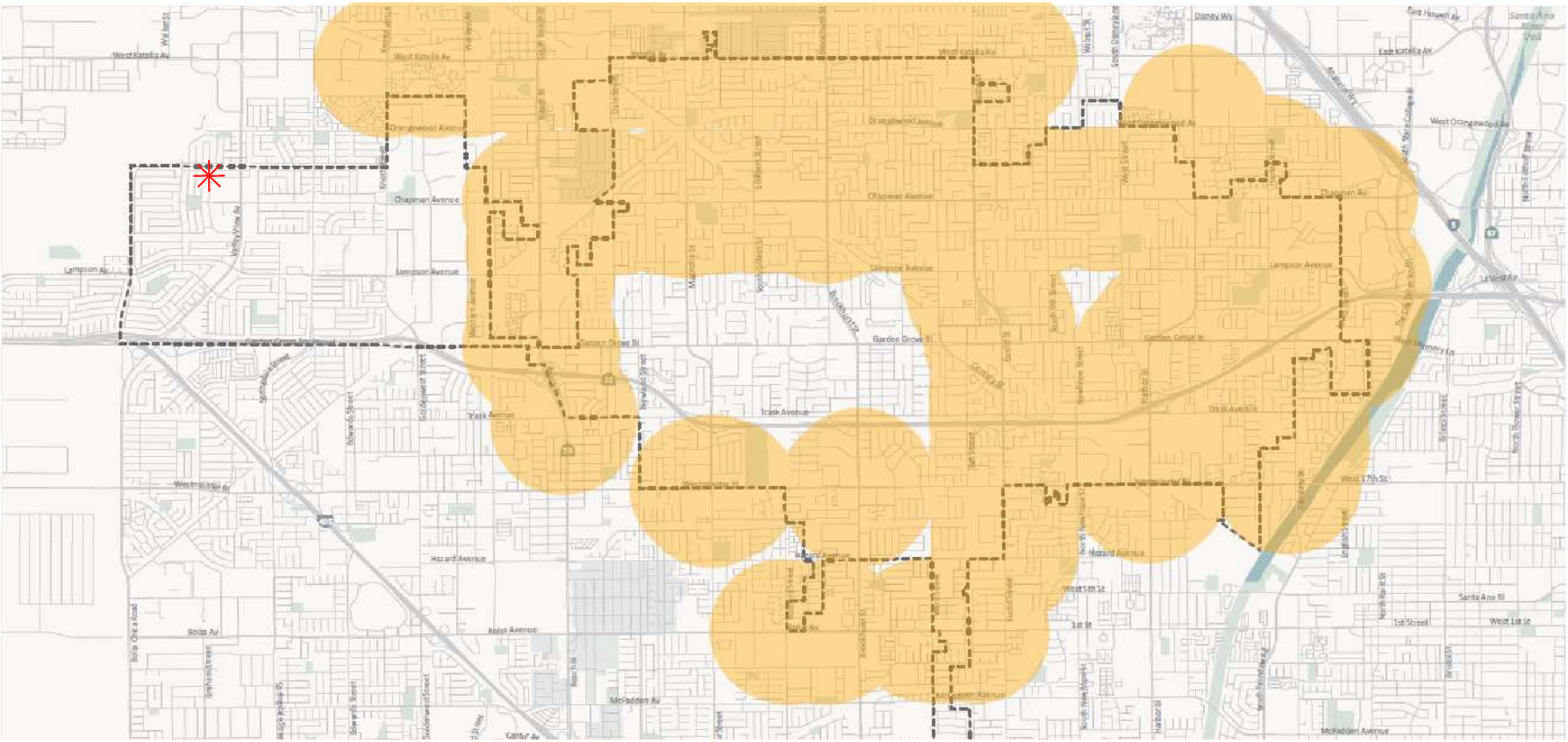


N

RK engineering group, inc.

Exhibit C

City of Garden Grove Transit Priority Areas (TPA) Map



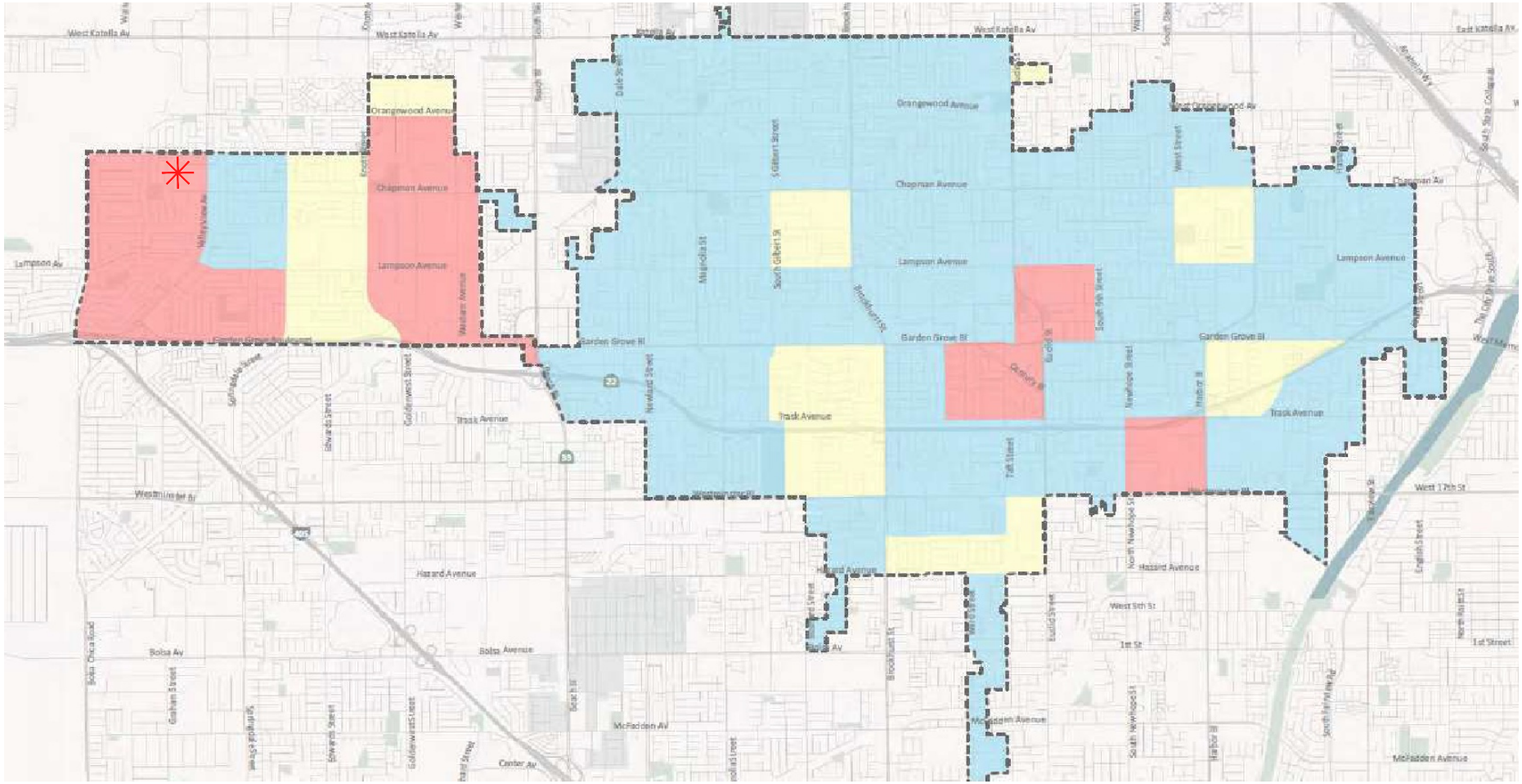
Legend:

= Project Site

N

Exhibit D

City of Garden Grove Low VMT Area Map



Legend:

= Project Site

N

- City Boundary
- <-15% below County Average
- 0 to -15% below County Average
- Higher than County Average

RK engineering group, inc.

Appendix I

Water and Sewer Service

City of Garden Grove Public Works

February 22, 2024

GARDEN GROVE

CITY OF GARDEN GROVE
OFFICE OF PUBLIC WORKS

Steve Jones
Mayor
George S. Brietigam
Mayor Pro Tem - District 1
John R. O'Neill
Council Member - District 2
Cindy Ngoc Tran
Council Member - District 3
Joe DoVinh
Council Member - District 4
Stephanie Klopfenstein
Council Member - District 5
Kim Bernice Nguyen
Council Member - District 6

February 22, 2024

Brandywine Homes
2355 Main St
Suite 220
Irvine, CA 92614

Attention: Sarah Eskandari

Re: WATER AND SEWER SERVICE FOR PROPOSED PROJECT AT 5802 SANTA CATALINA AVE – TWENTY-SIX (26) TWO-STORY TOWNHOMES

This location is served water by the City of Garden Grove Water Services Division, a division of the Public Works Department. The water system in this area is adequate for domestic water supply and fire protection for the proposed project.

The Garden Grove Sanitary District, a division of the Public Works Department, is the sewer purveyor for the subject address. The proposed project is within calculated capacity deficiency area. The sewer flow study performed in December 2023 confirmed that the sewer system can handle the additional sewage discharge from the project's twenty-six two-story townhomes.

If you have any further questions, please feel free to contact me at (714) 741-5395.

Sincerely,

Samuel K. Kim
Water Services Manager

By: Carina Dan
Principal Engineering Technician

Appendix J

Mitigation Monitoring and Reporting Program

Terms and Definitions:

1. **Property Owner/Developer –** Owner or developer of Brandywine Santa Barbara Towns Residential Project.

2. **Environmental Equivalent/Timing –** Any mitigation measure and timing thereof, subject to the approval of the City, which will have the same or superior result and will have the same or superior effect on the environment. The Planning Department, in conjunction with any appropriate agencies or City departments, shall determine the adequacy of any proposed "environmental equivalent/timing" and, if determined necessary, may refer said determination to City Council. Any costs associated with information required in order to make a determination of environmental equivalency/timing shall be done by the property owner/developer. Staff time for reviews will be charged on a time and materials basis at the rate in the City's adopted Fee Schedule.

3. **Implementation Timing –** This is the point where a mitigation measure must be monitored for compliance. In the case where multiple action items are indicated, it is the first point where compliance associated with the mitigation measure must be monitored. Once the initial action item has been complied with, no additional monitoring pursuant to the Mitigation Monitoring Plan will occur, as routine City practices and procedures will ensure that the intent of the measure has been complied with. For example, if the timing is "to be shown on approved building plans" subsequent to issuance of the building permit consistent with the approved plans will be final building and zoning inspections pursuant to the building permit to ensure compliance.

4. **Responsibility Monitoring Party –** Shall mean that compliance with the subject mitigation measure(s) shall be reviewed and determined adequate by all departments listed for each mitigation measure. Outside public agency review is limited to those public agencies specified in the Mitigation Monitoring Plan which have permit authority in conjunction with the mitigation measure.

5. **Ongoing Mitigation Measures –** The mitigation measures that are designated to occur on an ongoing basis as part of this Mitigation Monitoring Plan will be monitored in the form of an annual letter from the property owner/developer in January of each year demonstrating how compliance with the subject measure(s) has been achieved. When compliance with a measure has been demonstrated for a period of one year, monitoring of the measure will be deemed to be satisfied and no further monitoring will occur. For measures that are to be monitored "Ongoing During Construction", the annual letter will review those measures only while construction is occurring; monitoring will be discontinued after construction is complete. A final annual letter will be provided at the close of construction.

6. **Building Permit –** For purposes of this Mitigation Monitoring Plan, a building permit shall be defined as any permit issued for construction of a new building or structural expansion or modification of any existing building but shall not include any permits required for interior tenant improvements or minor additions to an existing structure or building.

Mitigation Monitoring and Reporting Program

Impact Category	Mitigation Measure	Implementation Timing	Responsible Monitoring Party	Monitoring/Reporting Method
Biological Resources	**MM BIO-1:** In the event that vegetation and tree removal activities should occur during site-preparation activities (ground disturbance, construction activities, staging equipment) within the active breeding season for birds (February 1 and August 31), the Project/Applicant (or their Construction Contractor) shall retain a qualified biologist (meaning a professional biologist that is familiar with local birds and their nesting behaviors) to conduct a nesting bird survey no more than 3 days prior to commencement of construction activities to determine if active nests of species protected by the MBTA or the California Fish and Game Code are present in the construction zone. The nesting survey shall include the project site and areas immediately adjacent to the site that could potentially be affected by project-related construction activities, such as noise, human activity, and dust, etc. If active nesting of birds is observed within 100 feet of the designated construction area prior to construction, the qualified biologist shall establish an appropriate buffer around the active nests (e.g., as much as 500 feet for raptors and 300 feet for nonraptors [subject to the recommendations of the qualified biologist]), and the buffer areas shall be avoided until the nests are no longer occupied and the juvenile birds can survive independently from the nests. Prior to commencement of grading activities, the City of Garden Grove (City) Community Development Director, or designee, shall verify that all project grading and construction plans are consistent with the requirements stated above, that preconstruction surveys have been completed and that results reviewed by staff, and that the appropriate buffers (if needed) are noted on the plans and established in the field with orange snow fencing. If active nests are located during the pre-activity field survey, the Biologist shall immediately establish a conservative avoidance buffer surrounding the nest based on their best professional judgement and experience. The Biologist shall monitor the nest at the onset of project activities, and at the onset of any changes in	**Mitigation measure required only between February 1 and August 31, the state nesting season for birds** **Nesting bird survey to be conducted no more than 3 days prior to the commencement of construction activities** **Prior to commencement of grading activities**	**Planning Division** **Community Development Director**	**Verification that all project grading and construction plans are consistent with MM BIO-1** **Review of preconstruction survey results by staff**

Impact Category	Mitigation Measure	Implementation Timing	Responsible Monitoring Party	Monitoring/Reporting Method
	such project activities (e.g., increase in number or type of equipment, change in equipment usage, etc.) to determine the efficacy of the buffer. If the Biologist determines that such project activities may be causing an adverse reaction, the Biologist shall adjust the buffer accordingly or implement alternative avoidance and minimization measures, such as redirecting or rescheduling construction or erecting sound barriers. All work within these buffers will be halted until the nesting effort is finished (i.e., the juveniles are surviving independent from the nest). The on-site qualified biologist will review and verify compliance with these nesting avoidance buffers and will verify the nesting effort has finished. Work can resume within these avoidance areas when no other active nests are found. Upon completion of the survey and nesting bird monitoring, a report shall be prepared and submitted to the City of Garden Grove for mitigation monitoring compliance record keeping.			
Cultural Resources and Tribal Cultural Resources	**MM TCR-1:** Retain a Native American Monitor Prior to Commencement of Ground-Disturbing Activities A. The project applicant/lead agency shall retain a Native American Monitor from or approved by the Gabrieleño Band of Mission Indians–Kizh Nation. The monitor shall be retained prior to the commencement of any "ground-disturbing activity" for the subject project at all project locations (i.e., both on-site and any off-site locations that are included in the project description/definition and/or required in connection with the project, such as public improvement work). "Ground-disturbing activity" shall include, but is not limited to, demolition, pavement removal, potholing, auguring, grubbing, tree removal, boring, grading, excavation, drilling, and trenching. B. A copy of the executed monitoring agreement shall be submitted to the lead agency prior to the commencement of any ground-disturbing activity, or the issuance of any permit necessary to commence a ground-disturbing activity. C. The monitor will complete daily monitoring logs that will provide descriptions of the relevant ground-disturbing	**Prior to commencement of ground-disturbing activities or the issuance of any permit necessary to commence a ground-disturbing activity**	**Planning Division**	**Submittal of executed monitoring agreement**

Impact Category	Mitigation Measure	Implementation Timing	Responsible Monitoring Party	Monitoring/Reporting Method
	activities, the type of construction activities performed, locations of ground-disturbing activities, soil types, cultural-related materials, and any other facts, conditions, materials, or discoveries of significance to the Tribe. Monitor logs will identify and describe any discovered TCRs, including but not limited to, Native American cultural and historical artifacts, remains, places of significance, etc., (collectively, tribal cultural resources, or "TCR"), as well as any discovered Native American (ancestral) human remains and burial goods. Copies of monitor logs will be provided to the project applicant/lead agency upon written request to the Tribe. D. On-site tribal monitoring shall conclude upon the latter of the following: (1) written confirmation to the Kizh from a designated point of contact for the project applicant/lead agency that all ground-disturbing activities and phases that may involve ground-disturbing activities on the project site or in connection with the project are complete; or (2) a determination and written notification by the Kizh to the project applicant/lead agency that no future, planned construction activity and/or development/construction phase at the project site possesses the potential to impact Kizh tribal cultural resources.			
Cultural Resources and Tribal Cultural Resources	**MM TCR-2:** Unanticipated Discovery of Tribal Cultural Resource Objects (Non-Funerary/Non-Ceremonial) Upon discovery of any TCRs, all construction activities in the immediate vicinity of the discovery shall cease (i.e., not less than the surrounding 50 feet) and shall not resume until the discovered TCR has been fully assessed by the Kizh monitor and/or Kizh archaeologist. The Kizh will recover and retain all discovered TCRs in the form and/or manner the Tribe deems appropriate, in the Tribe's sole discretion, and for any purpose the Tribe deems appropriate, including for educational, cultural, and/or historic purposes.	**During construction activities**	**Planning Division**	**Kizh monitor and/or archaeologist to retain all discovered TCRs**
Cultural and Tribal	**MM TCR-3**: Unanticipated Discovery of Human Remains and Associated Funerary or Ceremonial Objects	**During construction**	**Planning Division**	**Notification to the County Coroner and**

Impact Category	Mitigation Measure	Implementation Timing	Responsible Monitoring Party	Monitoring/Reporting Method
Cultural Resources	A. Native American human remains are defined in PRC § 5097.98 (d)(1) as an inhumation or cremation, and in any state of decomposition or skeletal completeness. Funerary objects, called associated grave foods in PRC § 5097.98, are also to be treated according to this statute. B. If Native American human remains and/or grave foods are discovered or recognized on the project site, then PRC § 5097.9 as well as Health and Safety Code §7050.5 shall be followed. C. Human remains and grave/burial foods shall be treated alike per California PRC §5097.98 (d)(1) and (2). D. Preservation in place (i.e. avoidance) is the preferred manner of treatment for discovered human remains and/or burial goods. E. Any discovery of human remains/burial goods shall be kept confidential to prevent further disturbance.	**activities and project operations**		**Native American Heritage Commission**
Geology and Soils	**MM GEO-1:** During design, grading, and construction of the Proposed Project, the project applicant shall follow all recommendations in Section 6.0, Conclusions and Recommendations (pages 12-21), Section 7.0 Design Considerations (pages 21-31), and Section 8.0 Lot Maintenance (page 31) of the geotechnical report prepared for the project (Geotechnical Investigation, 5802 Santa Catalina Avenue City of Garden Grove, County of Orange, California, Alta California Geotechnical, Inc., January 16, 2024).	**During project design, grading, and construction**	**Planning Division**	**Review of project consistency with the geotechnical report's recommendations**
Hazards and Hazardous Materials	**MM HAZ-MAT-1:** Prior to the start of construction activity in the public right-of-way, if deemed necessary by the City Traffic Engineer, the General Contractor shall submit a Right-of-Way Permit to be reviewed and approved by the City Traffic Engineer. The Right-of-Way Permit includes requirements such as a traffic control plan for review by the Traffic Engineering Division. The traffic control plan shall detail lane lines, islands and medians, street intersections, and driveways. The traffic control plan would conform to the latest edition of the California Manual for Traffic Control Devices and the requirements of the City Traffic Engineer. Emergency access must be maintained per OCFA standards.	**Prior to the start of construction activity in the public right-of-way**	**Engineering Division**	**Submittal and review of Right-of-Way Permit**

Impact Category	Mitigation Measure	Implementation Timing	Responsible Monitoring Party	Monitoring/Reporting Method
	Compliance with City requirements for traffic management during construction in the public ROW is required.			