LOS ANGELES COUNTY
SANITATION DISTRICTS
Converting Waste Into Resources

ADDENDUM TO INITIAL STUDY/ MITIGATED NEGATIVE DECLARATION

Name of Project:	Gardena Pumping Plant Facility Replacement (formerly referred to as Gardena Pumping Plant Facility Upgrades)
Project Location:	1919, 1923, and 1931 Artesia Boulevard, Gardena, CA 90247
Entity or Person Undertaking Project:	County Sanitation District No. 2 of Los Angeles County
Project Description:	The proposed project involves construction of a new wastewater pumping plant at 1923 and 1931 Artesia Boulevard to replace the existing pumping plant at 1919 Artesia Boulevard. The project involves deep excavation for a new dry/wet well, construction of a superstructure for the new plant, improvement of force mains and cross connections, and installation of new electrical and mechanical equipment, including pumps and a new diesel-powered back-up generator. The Final Initial Study/Mitigated Negative Declaration ("IS/MND") for the project was adopted by the District No. 5 Board of Directors on June 19, 2019. The Addendum addresses changes to the project, including a larger superstructure and installation of additional equipment. In 2022, lead agency responsibility for the project under CEQA transferred from District No. 5 to District No. 2, which now operates the pumping plant.
Findings:	The project, with proposed mitigation, will not have a significant effect on the environment. On May 24, 2023, on the basis of the whole record, including the Addendum to the Final IS/MND and the Final IS/MND, the District's Board of Directors approved the project and determined that there was no substantial evidence that the project, with proposed mitigation, would have a significant effect on the environment, and that this Addendum to the Final IS/MND reflects the independent judgment and analysis of the District.
Addendum to Final IS/MND:	An Addendum to the Final IS/MND of this project was undertaken and prepared in accordance with Local Procedures for Implementing CEQA as adopted by the District for the purpose of ascertaining whether this project might have a significant effect on the environment. A copy of the Addendum to the Final IS/MND is attached hereto and incorporated herein by reference. The Addendum to the Final IS/MND documents the reasons supporting the above findings.
Mitigation Measures:	The Project incorporates mitigation measures to avoid potentially significant impacts as described in the Final IS/MND and the Mitigation Monitoring and Reporting Program.
Custodian:	The Chief Engineer and General Manager, or their designee, shall be the custodian of records for the documents and records of proceedings on which this decision is based. The documents are on file at the District's Joint Administration Office, located at 1955 Workman Mill Road, Whittier, California 90601.

Date: May 24, 2023

Robert C. Ferrante
Chief Engineer and General Manager

DOC 6906257

Addendum No. 1 to the Final Initial Study/ Mitigated Negative Declaration for the Gardena Pumping Plant Facility Replacement Project (formerly referred to as Gardena Pumping Plant Facility Upgrades Project)

Prepared for

County Sanitation District No. 2 of Los Angeles County
1955 Workman Mill Road
Whittier, California 90601
Contact: Nan Natanom-Harrold, PE

Prepared by

Psomas
5 Hutton Centre Drive, Suite 300
Santa Ana, California 92707-8794

March 2023

TABLE OF CONTENTS

Section **Page**

Section 1.0 Introduction 1
1.1 Purpose of the Document 1
1.2 Basis for The Addendum 1
Section 2.0 Project Background 4
2.1 Gardena Pumping Plant Facility Replacement Project Initial Study/Mitigated Negative Declaration 4
Section 3.0 Modified Project Description and Setting 6
3.1 Project Location 6
3.2 Existing Site Conditions 6
3.3 Modified Project Description 6
3.4 Discretionary Approvals 7
3.5 Permits 8
Section 4.0 Environmental Analysis 10
4.1 Aesthetics 10
4.2 Air Quality 14
4.3 Cultural Resources 20
4.4 Greenhouse Gas Emissions 24
4.5 Land Use and Planning 27
4.6 Noise 29
4.7 Other Topical Areas 40
Section 5.0 Conclusions 42

LIST OF TABLES

Table **Page**

4-1 South Coast Air Quality Management District Air Quality Significance Thresholds 15
4-2 Estimated Maximum Daily Construction Emissions (lbs/day) 16
4-3 Maximum Localized Construction Pollutant Emissions (lbs/day) 17
4-4 GHG Emissions From Project Implementation 25
4-5 Estimated ConstructIon Noise Levels at Receptors 34
4-6 Vibration Damage Threshold Criteria 36
4-7 Vibration Levels for Construction Equipment 37
4-8 Estimated Vibration Levels at Nearest Receptors 38

EXHIBITS

Exhibit		Follows Page
2-1	Regional Vicinity	4
3-1	Aerial Photograph	6
4-1	Site Photographs	12
4-2	Site Photographs	12
4-3	Site Photographs	12

LIST OF APPENDICES

Appendix	
A	CalEEMod Calculations
B	Noise Calculations

ACRONYMS AND ABREVIATIONS

Acronym/ Abbreviation	Meaning
AQMP	Air Quality Management Plan
dBA	A-Weighted Decibel Scale
CARB	California Air Resources Board
CAAQS	California Ambient Air Quality Standards
CalEEMod	California Emissions Estimator Model
CEQA	California Environmental Quality Act
CO	Carbon Monoxide
CNEL	Community Noise Level Equivalent
dB	Decibel
EA	Environmental Assessment
EIR	Environmental Impact Report
Leq	Equivalent Continuous Sound Level
EO	Executive Order
Z-3	General Commercial Zone
GHG	Greenhouse Gas
HMMCP	Hazardous Materials Management/Contingency Plan
HVAC	Heating, Ventilation, and Air Conditioning
IS/MND	Initial Study/Mitigated Negative Declaration
In/sec	Inches Per Second
I	Interstate
kW	Kilowatt
kWh/yr	Kilowatt Hours Per Year
LOS	Level of Service
LST	Localized Significance Threshold
LACSD	Los Angeles County Sanitation District
MTCO2e	Metric Tons of Carbon Dioxide Equivalent
NAAQS	National Ambient Air Quality Standards
NO2	Nitrogen Dioxide
NOx	Nitrogen Oxides
PM2.5	Particulate Matter with a Diameter of 2.5 Microns or Less
PM10	Particulate Matter with a Diameter of 10 Microns or Less
ppv	Peak Particle Velocity
RTP/SCS	Regional Transportation Plan/Sustainable Communities Strategy
rms	Root Mean Square
SR	State Route
SCCIC	South Central Coastal Information Center
SCAQMD	South Coast Air Quality Management District
SCAG	South Coast Association of Government
SCE	Southern California Edison
TAC	Toxic Air Contaminant
WEAP	Worker Environmental Awareness Program

SECTION 1.0
INTRODUCTION

1.1 PURPOSE OF THE DOCUMENT

On June 19, 2019, the Los Angeles County Sanitation Districts (LACSD) adopted the *Gardena Pumping Plant Upgrades Project Initial Study/Mitigated Negative Declaration*, which evaluated the environmental impacts associated with a project to construct a new sewage pumping plant on property owned by LACSD located immediately west of the existing Gardena Pumping Plant (hereinafter referred to as the "Approved Project"). The existing Gardena Pumping Plant is comprised of two side-by-side pumping plants constructed in 1928 and 1960 that are beyond their useful life and will be replaced by the Approved Project.

This document is an Addendum to the *Gardena Pumping Plant Upgrades Project Initial Study/Mitigated Negative Declaration* and has been prepared due to certain changes in the Approved Project design that have been made since June 2019. The currently-proposed Project (which has since been renamed to *Gardena Pumping Plant Facility Replacement Project* and is hereinafter referred to as the "Modified Project") involves the construction of a single Pumping Plant on two vacant parcels located at 1923 and 1931 W. Artesia Blvd to convey the flow currently handled by the existing East and West Plants at 1919 W. Artesia Blvd. The new Pumping Plant would include a shallow Main Plant and deep Lift Station. The proposed Main Plant would be comprised of a below-grade wet well and dry well, and an above grade electrical room and dry well. The Main Plant would handle influent flows from Gramercy Place Trunk Section 1, Moneta Extension Trunk Sewer, and flows from the Lift Station. The Lift Station would be a circular wet pit station with submersible pumps. The Lift Station would handle influent flows from Gardena Pump Trunk and pump it to the Main Plant. The project would also install a new 500 kilowatt (kW) emergency generator and a transformer from Southern California Edison (SCE) at the northeastern corner of the Project site. Additionally, the Modified Project would include vehicle access and parking for approximately four maintenance vehicles, along the south and east sides of the Main Plant's above-grade structure, for routine maintenance access.

The Modified Project's above-grade building height would be approximately 35 feet (ft), representing a 20 ft increase from the 15 ft above-grade building of the existing Gardena Pumping Plant, and a 22 ft increase from the previously approved 13 ft above grade building of the proposed Pumping Plant. Additionally, the Modified Project would have a building footprint of approximately 4,000 square feet (sq ft) compared to the 885 sq ft footprint of the existing Gardena Pumping Plant and previously approved 600 sq ft footprint of the proposed Pumping Plant. The Modified Project would involve 28,810 cubic yards (cy) of excavation, representing an 18,810 cy increase from the previously approved 10,000 cy of excavation for the proposed Pumping Plant.

Section 1.0 of this Addendum provides an introduction and the basis for the Addendum. Section 2.0 provides background information on the previously approved Project, including actions taken by LACSD. Section 3.0 provides a description of the proposed Project or Modified Project. Section 4.0 presents an environmental analysis of the Modified Project. Section 5.0 presents the findings related to the environmental analysis of the Modified Project. Section 6.0 identifies references of the original resources cited in this Addendum.

1.2 BASIS FOR THE ADDENDUM

This Addendum has been prepared in accordance with the provisions of the California Environmental Quality Act (CEQA) (*California Public Resources Code* §21000 et seq.) and the State CEQA Guidelines (Title 14, *California Code of Regulations* §15000 et seq.). Pursuant to

Section 15050 of the State CEQA Guidelines, LACSD is the lead agency for this Addendum and has the authority for Project approval and approval of the accompanying environmental documentation (i.e., this Addendum).

Section 15164(b) of the CEQA Guidelines states that "an addendum to an adopted negative declaration may be prepared if only minor technical changes or additions are necessary or none of the conditions described in Section 15162 calling for the preparation of a subsequent Environmental Impact Report (EIR) or negative declaration have occurred." Pursuant to Section 15162(a) of the CEQA Guidelines, a subsequent EIR is only required when:

(1) Substantial changes are proposed in the project which will require major revisions of the previous EIR or Negative Declaration due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects;

(2) Substantial changes occur with respect to the circumstances under which the project is undertaken which will require major revisions of the previous EIR or Negative Declaration due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects; or

(3) New information of substantial importance, which was not known and could not have been known with the exercise of reasonable diligence at the time the previous EIR was certified as complete or the Negative Declaration was adopted, shows any of the following:

  (A) The project will have one or more significant effects not discussed in the previous EIR or negative declaration;

  (B) Significant effects previously examined will be substantially more severe than shown in the previous EIR;

  (C) Mitigation measures or alternatives previously found not to be feasible would in fact be feasible, and would substantially reduce one or more significant effects of the project, but the project proponents decline to adopt the mitigation measure or alternative; or

  (D) Mitigation measures or alternatives which are considerably different from those analyzed in the previous EIR would substantially reduce one or more significant effects on the environment, but the project proponents decline to adopt the mitigation measure or alternative.

This Addendum analyzes the environmental impacts resulting from implementation of the Modified Project (including impacts resulting from changes in circumstances) and identifies the difference, if any, between the impacts evaluated with the Approved Project, and those that would be associated with the Modified Project. It also reviews whether any new information of substantial importance has been identified that shows that the Modified Project would have one or more significant effects not discussed in the previous environmental document.

As described in detail herein, an analysis has been conducted that confirms there are no new significant impacts resulting from the Modified Project, nor is there any substantial increase in the severity of any previously identified environmental impacts. The potential impacts associated with the Modified Project would either be the same or less than the anticipated levels described in the Approved Project. Therefore, in accordance with Section 15164 of the CEQA Guidelines, an Addendum to the previously approved *Gardena Pumping Plant Upgrades Project Initial*

Study/Mitigated Negative Declaration is the appropriate environmental documentation for the Modified Project.

SECTION 2.0
PROJECT BACKGROUND

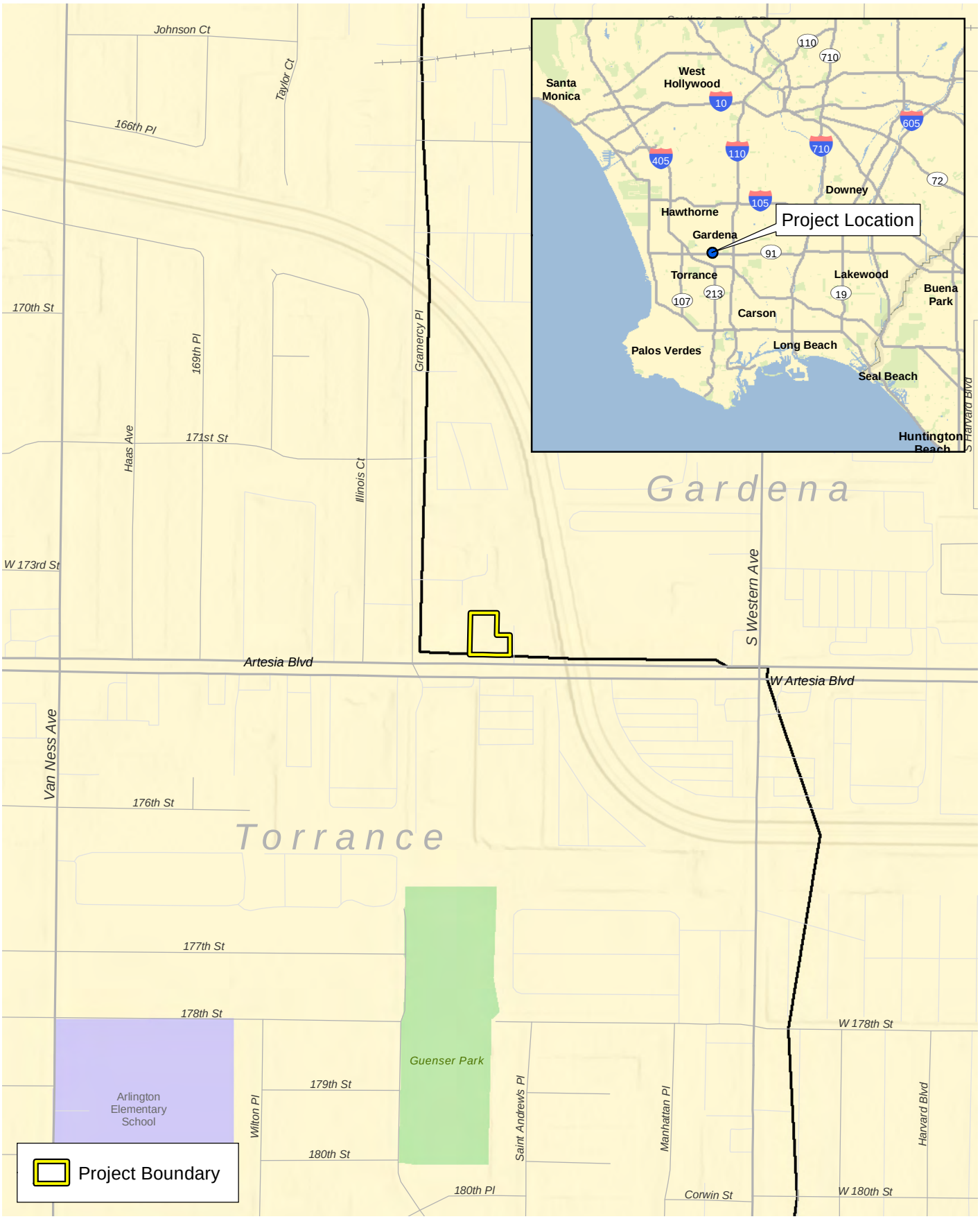
Los Angeles County Sanitation District (LACSD) is the Lead Agency responsible for the *Gardena Pumping Plant Upgrades Project Initial Study and Mitigated Negative Declaration (IS/MND)* and the subject *Addendum to the Final Initial Study/Mitigated Negative Declaration for the Gardena Pumping Plant Facility Replacement Project (formerly referred to as Gardena Pumping Plan Facility Upgrades Project).* The proposed or Modified Project would be implemented on the Approved Project site located at 1923 and 1931 Artesia Boulevard to replace the existing pumping plant at 1919 Artesia Boulevard., as shown on Exhibit 2-1, Regional Vicinity. The following section provides a summary of the adopted *Gardena Pumping Plant Upgrades Project IS/MND* that is integral to the Modified Project.

2.1 GARDENA PUMPING PLANT FACILITY REPLACEMENT PROJECT INITIAL STUDY/MITIGATED NEGATIVE DECLARATION

LACSD adopted an IS/MND for the *Gardena Pumping Plant Upgrades Project* on June 19, 2019. The Project has since been renamed to *Gardena Pumping Plant Facility Replacement Project.* Prior to preparation of the previously prepared IS/MND, LACSD's Wastewater Collections System Section staff had evaluated the functionality and condition of the existing Gardena Pumping Plant, which is composed of two functionally separate "East" and "West" pumping plants and determined that the existing Plant does not meet current operational design guidelines for pumping plants operated by LACSD. The approved Project included the replacement of plant superstructure; replacement of pumps; deep excavation for a new dry/wet well; replacement of the diesel-powered backup generator; improvement of force mains and cross connections; associated equipment upgrades; and demolition of the existing Plant, all of which would occur adjacent to the existing Gardena Pumping Plant.

The approved Project is intended to address the existing safety, reliability, and maintenance issues of the existing Gardena Pumping Plant by consolidating the East and West Plants into one new pumping plant, near the existing location. The approved project would serve the same function as the existing Gardena Pumping Plant and would continue to accept wastewater flows from the 36-inch Gramercy Place Trunk Sewer Section 1, the 24-inch Moneta Extension Trunk Sewer, and the 24-inch Gardena Pump Trunk Sewer. The wastewater from these three influent sewers would be directed to one new wet well through new piping, cross connections, and lift station. The proposed flow capacities of the upgraded Gardena Pumping Plant would be the same as current combined flows for the East and West Plants. The effluent would be directed back to the LACSD wastewater collection system through new force main connections. Operation and maintenance activities would largely be the same as those for the existing plant. The approved project would be designed for uninterruptible operation and simplified emergency response through the addition of features such as redundant pumps, redundant force mains, and backup generators. The approved pumping plant superstructure would be approximately 600 square feet (sq ft) and its structure would be 13 feet (ft) high. Once the approved Plant is operational, the existing plants would be decommissioned and demolished.

The IS/MND determined that impacts to all environmental topics were less than significant except for impacts related to cultural resources, geology and soils, hazards and hazardous materials, transportation, and tribal cultural resources. **Mitigation Measure (MM) CUL-1 and MM CUL-2** were incorporated to reduce potential impacts to unanticipated cultural resources during project implementation to less than significant. Impacts related to unanticipated archeological or paleontological resources would be reduced to less than significant with implementation of **MM GEO-1** which requires the implementation of a paleontological monitoring program prior to



D:\Projects\3LOS\250108\MXD\ex_RL_20221221.mxd

Regional Vicinity

Exhibit 2-1

Gardena Pumping Plant

N
W E
S

500 250 0 500

Feet

PSOMAS

(Rev: 12/21/2022 JVR) R:\Projects\LOS25_LACSD\3LOS250108\Graphics\ex_RL.pdf

and during construction activities. impacts associated with hazards and hazardous materials would be less than significant. With incorporation of **MM HAZ-1** and **MM HAZ-2,** implementation of a Hazardous Materials Management/Contingency Plan and execution of lead-based paint and asbestos surveys, impacts associated with hazards and hazardous materials would be less than significant[1]. Impacts related to construction generated traffic on area traffic volumes would be less than significant with incorporation of **MM TRA-1** which implements a construction traffic management plan. **MM TCR-1** would require implementation of Worker Environmental Awareness Program (WEAP) training, **MM TCR-2** would require accordance with an outlined approach for the inadvertent discovery of TCRs*,* and **MM TCR-3** would require the development of a Cultural Resources Treatment Plan, should avoidance of Tribal Cultural Resources (TCRs) not be ensured; these measures would reduce potential impacts related to tribal cultural resources to less than significant.

[1] The previously prepared IS/MND identifies these Mitigation Measures as “MM HAZ-1” and “MM HAZ-2” in Section 2.9, Hazards and Hazardous Materials; however, the IS/MND incorrectly identifies these measures as “MM NOI-1” and “MM NOI-2” within Section 6, Mitigation Monitoring and Reporting Program. For purposes of this Addendum, these Mitigation Measures will be referred to as MM HAZ-1 and MM HAZ-2.

SECTION 3.0
MODIFIED PROJECT DESCRIPTION AND SETTING

3.1 PROJECT LOCATION

The Modified Project site is a 0.44 acre site located at 1919 Artesia Boulevard in the City of Gardena as shown on Exhibit 2-1, Regional Vicinity. The Modified Project site is in the South Bay region of Los Angeles County, between the cities of Torrance and Gardena. Generally, the Modified Project site is located northwest of the intersection of Interstate (I) 405 and State Route (SR) 110 and west of the Dominguez Channel. The only change to the approved Project site that has occurred since June 2019 is demolition of the existing commercial buildings that were located on the two parcels purchased by LACSD in 2019 next to the existing pumping plant. The size and location of the site has not changed.

3.2 EXISTING SITE CONDITIONS

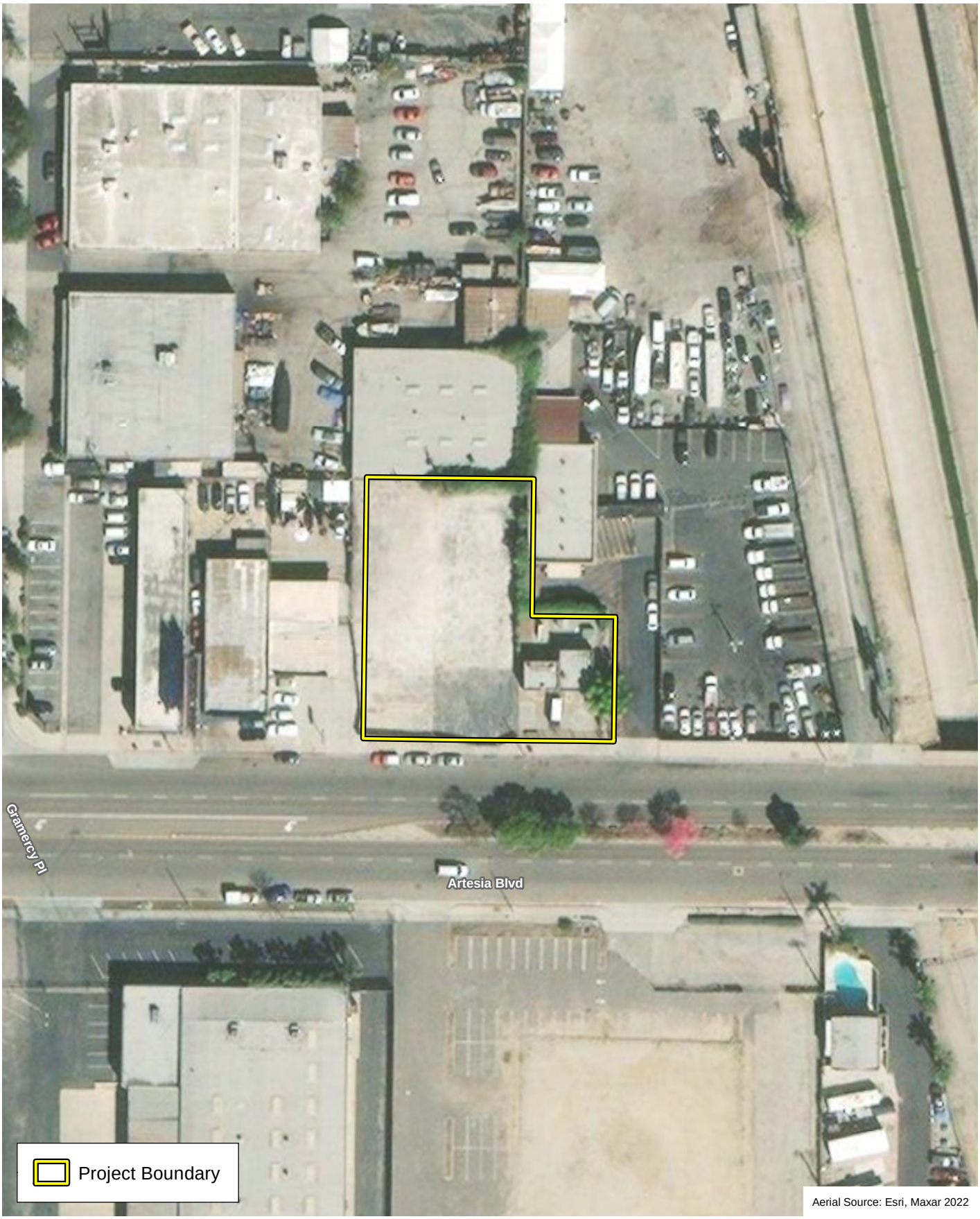
The Project site is in a developed and urbanized area of the City of Gardena. The area surrounding the Project site is a predominantly commercial area with some residential uses. Specifically, to the north of the Project site is a commercial auto-body shop with an associated surface parking lot to the east. To the west are several commercial buildings, and to the west of Gramercy Place are residential uses. To the south is the City of Torrance, Artesia Boulevard, surface parking lots, a construction company building, and Momin Lodge, an Islamic Center. To the east, beyond the Dominguez Channel, are other auto-related commercial buildings. Exhibit 3-1, Regional Vicinity, provides an aerial view of the Project site.

The 0.44-acre Project site contains the existing Pumping Plant on approximately 0.09 acres at the east side of the site while the remaining 0.35 acres of the site is vacant land. The existing Pumping Plant consists of two functionally separate plants (East and West Plants) adjacent to each other, housed by a common building. According to the City of Gardena General Plan, the land use designation of the Project site is General Commercial. Per the City of Gardena Zoning Ordinance, the Project site is zoned General Commercial (C-3). Exhibits 4-1 through 4-3, Site Photographs, depict views of the existing Project site and the surrounding area.

3.3 MODIFIED PROJECT DESCRIPTION

As discussed previously in Section 1.0 Introduction, LACSD's Wastewater Collections System Section staff have evaluated the functionality and condition of the existing Gardena Pumping Plant, composed of two functionally separate "East" and "West" pumping plants, and determined that the existing Plant does not meet current operational design guidelines for pumping plants operated by LACSD.

The Modified Project involves the construction of a single Pumping Plant to convey the flow currently handled by both the East and West Plants. The modified Pumping Plant is the same as that described in the approved IS/MND, but has been modified to be larger than previously described. The new Pumping Plant would include a Main Plant and deep Lift Station. The proposed Main Plant would be comprised of a below-grade wet well and dry well, and an above grade electrical room and dry well. The inside dimensions of the below grade structure would be approximately 102 feet long and 56 feet wide. The wet well would be located on the east side of the Main Plant and the dry well would be located on the western side of the Main Plant. The bottom of the Main Plant would be approximately 25 feet below grade. The above grade structure would be approximately 100 feet long and 40 feet wide. The Main Plant would handle influent flows from Gramercy Place Trunk Section 1, Moneta Extension Trunk Sewer, and flows from the



Aerial Source: Esri, Maxar 2022

D:\Projects\3LOS\2501081MXD\ex_Aerial_20221221.mxd

Regional Vicinity

Exhibit 3-1

Gardena Pumping Plant

N
W E
S

80 40 0 80

Feet

PSOMAS

(Rev: 12/21/2022 JVR) R:\Projects\LOS25_LACSD\3LOS250108\Graphics\ex_Aerial.pdf

Lift Station. The Lift Station would be a circular wet pit station with submersible pumps. The Lift Station would be 13 feet in diameter with a bottom slab elevation of -4.75 feet or 45 feet below grade; this would be the deepest structure within the Project. The Lift Station would handle influent flows from Gardena Pump Trunk and pump it to the Main Plant. The Modified Project would also install a new 500kW emergency generator and a transformer from Southern California Edison (SCE) at the northeastern corner of the property. Additionally, the Modified Project would include vehicle access and parking for approximately four maintenance vehicles along the south and east sides of the Main Plant's above-grade structure for routine maintenance access.

The Modified Project's above-grade building height would be approximately 35 ft, representing a 20 ft increase from the existing 15 ft above-grade building and a 22 ft increase from the previously approved 13 ft above grade building height. Additionally, the Modified Project would have a building footprint of approximately 4,000 sq ft compared to the existing 885 sq ft footprint and previously approved 600 sq ft footprint. The Modified Project would involve 28,810 cy of excavation, representing a 18,810 cubic yard (cy) increase from the previously approved 10,000 cy of excavation.

3.3.1 ACCESS AND CIRCULATION

The Modified Project would construct space for vehicle access and parking for approximately four maintenance vehicles along the south and east sides of the Main Plant's above-grade structure for routine maintenance access. However, there would be limited space for traffic access along the north and west sides of the building.

3.3.2 CONSTRUCTION

Construction of the Modified Project would generate temporary trips associated with construction activities. Construction-related traffic would primarily be associated with delivery of building materials and construction equipment, removal of construction debris, and construction workers commuting to/from the Project site. Weather permitting, construction of the Modified Project is anticipated to begin in March 2024 and be completed in September 2026.

The proposed Pumping Plant would be constructed first, while the existing Pumping Plant is maintained in operation. Once the proposed Pumping Plant and proposed manholes on each of the three (3) influent sewers (Gardena PP TS, Gramercy Place TS, Moneta TS) are built, the sewers would be connected under live flow conditions, one connection at a time to minimize traffic disruption as much as possible.

3.4 DISCRETIONARY APPROVALS

Pursuant to CEQA, LACSD has primary discretionary authority over the approval of the Modified Project. The anticipated discretionary approvals required for LACSD to implement the Project includes the following:

- Adoption of the Addendum to the Gardena Pumping Plant Facility Replacement Final IS/MND;
- Adoption of a mitigation monitoring and reporting program; and
- Design, construction, and operation of the project.

Other public agencies may also have discretionary authority over the Project, or aspects of the Project, and are considered responsible agencies. The IS/MND can be used by the responsible

agencies to comply with CEQA in connection with permitting or approval authority over the Project.

3.5 PERMITS

3.5.1 SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (SCAQMD)

LACSD would obtain a permit for the installation and operation of a new diesel-powered back-up electrical generator.

3.5.2 CITY OF GARDENA

LACSD would obtain a construction/encroachment permit from the City of Gardena for temporary lane closures on Artesia Boulevard and street excavation.

LACSD would contact the City of Gardena to determine if a Conditional Use Permit is required for the Project.

LACSD would obtain Excavation and Traffic Control permits from City of Gardena Public Works.

3.5.3 CITY OF TORRANCE

The Modified Project site is located in the southern portion of the City of Gardena, adjacent to the City of Torrance. Part of the force main work would be in the City of Torrance. LACSD would obtain a construction/encroachment permit from the City of Torrance for temporary lane closures on Artesia Boulevard and street excavation.

LACSD would obtain Excavation and Traffic Control permits from City of Torrance Public Works.

3.5.6 LOS ANGELES COUNTY FIRE DEPARTMENT (LACFD)

LACSD would obtain all appropriate occupancy permits from LACFD.

This page intentionally left blank

SECTION 4.0
ENVIRONMENTAL ANALYSIS

This document is an addendum to the previously approved CEQA document outlined in Section 2.0, Project Background. By definition, an addendum to a CEQA document is intended to demonstrate that the modifications/alterations to the previously Approved Project would not substantially increase environmental impacts or create any new significant impacts. The following analysis is documentation of why and how this conclusion has been made.

This section of the Addendum provides a detailed examination of key environmental topical issues according to the check list questions identified in the State CEQA Guidelines Environmental Checklist, specific to the Modified Project. The key environmental issues include: Aesthetics, Air Quality, Cultural Resources, Greenhouse Gas Emissions, Land Use and Planning, and Noise. For each topical area addressed, brief summaries of the findings of the *Gardena Pumping Plant Facility Replacement Project Final IS/MND* are provided.

Based on the Modified Project, the remainder of the topical areas that were addressed in the approved IS/MND do not require a detailed analysis and a general comparison statement is included for these topics. This comparative analysis provides LACSD with the factual basis for determining if any changes in the Project, any changes in circumstances, or any new information since the *Gardena Pumping Plant Facility Replacement Project Final IS/MND* was adopted require additional environmental review or preparation of a subsequent or supplemental MND.

4.1 AESTHETICS

4.1.1 SUMMARY OF PREVIOUS ENVIRONMENTAL ANALYSIS

Gardena Pumping Plant Project Initial Study/Mitigated Negative Declaration

As set forth in the IS/MND prepared for the Gardena Pumping Plant Facility Replacement Project, the Approved Project would not result in a significant impact related to aesthetics. The Approved Project would not have an adverse on a scenic vista nor would it substantially damage scenic resources. It was determined that the site is not designated as a scenic vista in the City of Gardena. Further, no State scenic highways or viewscape corridors were identified adjacent to or in the vicinity of the Project site.

The IS/MND determined that construction activities would be within the boundaries of the existing LACSD property and would not conflict with applicable zoning and other regulations governing scenic quality. The scale and height of the proposed pumping plant structure would be slightly larger than the existing Gardena Pumping Plant and similar in mass and scale as the existing commercial buildings surrounding the project. Therefore, the construction and operation of the proposed Project would not substantially degrade the existing visual character or quality of the Project site or surrounding area.

Lastly, it was determined that the Approved Project would not generate new sources of substantial light and glare. All project construction would occur subsurface, with the exception of the plant superstructure and backup generator and would not produce light sources affecting day or nighttime views. The plant superstructure and backup generator would require lighting similar to that of the existing facility, which is required for safety and security purposes. Furthermore, the project site is separated from residences by existing commercial buildings; therefore, there would be little to no direct line of sight for glare to travel if sources of temporary glare (e.g., construction and operations and maintenance vehicles) are found on site.

4.1.2 MODIFIED PROJECT ENVIRONMENTAL REVIEW

Would the project:

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

No Substantial Change from Previous Analysis. Scenic vistas and other important visual resources are typically associated with natural landforms such as mountains, foothills, ridgelines, coastlines, and open space areas. Open space resources within the City of Gardena include parks and other recreational facilities, such as public school facilities, parks and ball fields, landscaped medians, open area occupied by utilities, such as flood control channels and utility easements, and private recreational facilities (City of Gardena 2006a).

The Dominguez Channel, an existing flood control channel, is located approximately 160 ft east of the Approved Project site; additionally, Artesia Boulevard, immediately south of the Project site, contains a landscaped median. Both of these features are identified as open space by the City of Gardena.

Construction of the Modified Project would not result in substantial adverse effects to the Dominguez Hills Channel. Construction within Artesia Boulevard may temporarily alter views of the landscaped median to vehicles traveling west to east; however, consistent with the Approved IS/MND, these would be short-term changes and would not represent a substantial adverse effect. Implementation of the Modified Project would not obstruct the view of the Dominguez Hills Channel and the landscaped median at Artesia Boulevard. The Modified Project's above-grade building height would be approximately 35 ft, representing an approximate 22 ft increase from the previously approved 13 ft above grade building height. Additionally, the Modified Project would have a building footprint of approximately 4,000 sq ft compared to the previously approved 600 sq ft footprint.

While the Modified Project would involve a larger height and building footprint than those of the existing structures, consistent with the Approved IS/MND, the Project site is located in a relatively flat and urbanized area that generally lacks natural landforms. Moreover, the proposed Main Plant building would be approximately 35 feet tall, which meets the requirement of a maximum height of sixty-five (65) feet for buildings zoned as C-3, General Commercial.

Therefore, no impacts associated with scenic vistas would occur. Therefore, the Modified Project would not create a new significant impact pertaining to scenic vistas that were not previously analyzed, and no mitigation measures are required.

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

No Substantial Change from Previous Analysis. There are no state scenic highways located within the vicinity of the Project site (Caltrans 2018). The nearest officially designated state highway is SR-2 (also known as the Angeles Crest Highway), from 2.7 miles north of SR-210 in La Cañada Flintridge north and east to the San Bernardino County line (Caltrans 2018). At SR-210 in La Cañada Flintridge, SR-2 is located approximately 24.5 miles north of the project site. All segments of the SR-2 between La Cañada Flintridge and the San Bernardino County line are greater than 24.5 miles from the project site. While the Modified Project would increase above grade building height, compared to existing conditions, the Modified Project site would not be visible from the officially designated scenic highway due to distance and the presence of intervening (and densely vegetated) terrain of the San Gabriel Mountains. Therefore, no impacts to scenic resources within an officially designated state scenic highway would occur.

Therefore, consistent with the Approved IS/MND, construction and operation of the proposed Modified Project would not substantially damage scenic resources along a State scenic highway, and no impact would occur.

c) In non-urbanized 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?

No Substantial Change from Previous Analysis. A site visit was conducted on November 19, 2022. Exhibits 4-1 through 4-3, Site Photographs, include photographs that depict the existing visual character of the Modified Project site. Brief descriptions of each view are provided below.

- **View 1.** View looking northeast from the southern property line of the Project site, along Artesia Boulevard. The view depicts the existing paved Project site and the existing on-site single-story LACSD Pumping Plant structure and associated infrastructure that exists within the Project site. The view also depicts on-site ornamental vegetation and an off-site mature tree.
- **View 2.** View looking northeast from the southwest corner of the Project site. The view shows the existing paved Project site and existing on-site single-story LACSD pumping plant and associated infrastructure. Toward the northern boundaries of the Project site, a black masonry wall and ornamental vegetation are visible. In the background, partial views of off-site telecommunication infrastructure and off-site mature trees are visible to the north and east of the Project site.
- **View 3.** View looking southeast from the northwest corner of the Project site. Views from this vantage point show the existing on-site single story LACSD Pumping plant and paved Project site. Off-site mature trees are visible to the east; additionally, Artesia Boulevard and off-site mature trees and a single-story building are visible.
- **View 4.** View looking southwest from the northeast corner of the Project site. The view shows the existing paved Project site. A wrought iron fence along the western edge of the property is visible from this vantage point. Artesia Boulevard and a large industrial building and associated landscaping are also visible.
- **View 5.** View looking west from the eastern boundary of the Project site. The view depicts the paved Project site, and wrought iron fence along the western boundary of the site. Off-site telecommunication infrastructure is visible to the west of the Project site; additionally, off-site ornamental landscaping is visible beyond the southwest corner of the site. Partial views of mature trees, located to the west of the site, are also visible from this vantage point.
- **View 6.** This view is looking southeast from the northeastern boundary of the Project site. This view depicts the northern wall of the existing on-site single-story LACSD pumping plant and associated infrastructure.

Gardena Municipal Code Section 18.42.130 requires that all equipment be screened from the public, and the Building Department requires the screening consist of either a wrought-iron or block wall fence. As previously discussed, a new wrought iron fence with a metal screen would be installed along the entire fence/gate on Artesia Boulevard.

The aerial photograph (Exhibit 3-1) shows the Modified Project site's relationship to the surrounding land uses. The Modified Project site is located within an urbanized area surrounded

View 1

View 2

Site Photographs

Exhibit 4-1

Gardena Pumping Plant

PSOMAS

(12/22/2022 JVR) R:\Projects\LOS25_LACSD\3LOS250108\Graphics\Att_SP.pdf

D:\Projects\3LOS\250108\GRAPHICS\Att_SP1_20221222.ai

View 3

View 4

D:\Projects\3LOS\250108\GRAPHICS\Att_SP2_20221222.ai

Site Photographs

Exhibit 4-2

Gardena Pumping Plant

PSOMAS

View 5

View 6

D:\Projects\3LOS\250108\GRAPHICS\Att_SP3_20221222.ai

Site Photographs

Exhibit 4-3

Gardena Pumping Plant

PSOMAS

by commercial and industrial uses that have a similar appearance (building type, massing) to the proposed visual appearance of the Modified Project. According to the City of Gardena General Plan, the land use designation of the Project site is General Commercial. Per the City of Gardena Zoning Ordinance, the Project site is zoned C-3, General Commercial. There is a height limit of 65 ft for all structures zoned C-3, General Commercial; the proposed Main Plant building would be approximately 35 feet tall which meets this requirement. Exhibit 4-1 depicts views of the existing Project site and the surrounding area. Consistent with the previous analysis for the Approved Project, the Modified Project is consistent with the general plan and zoning designation. Further, as discussed in Response to Threshold 4.1.2. (a), there are no designated scenic vistas or viewscapes at or near the Project site and the scale and height of the Modified Project would not be significantly greater than those of the Approved Project. Architectural elements would be used on the Modified Project consistent with the Approved Project and compatible with the surrounding residential neighborhood.

Consistent with the previous analysis for the Approved Project, the Modified Project would not create a new significant impact pertaining to the existing visual character or quality of public views of the Modified Project or its surroundings that was not previously analyzed, and no new mitigation measures are required.

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

No Substantial Change from Previous Analysis. Consistent with the Approved Project, all elements of the Modified Project would be constructed below-grade, except the backup generator and Main Plant. Area lighting would be installed on the exterior of the Main Plant for safety and security purposes. Based on the existing level of lighting at the Gardena Pumping Plant, new lighting associated with the Modified Project would not be expected to adversely affect nighttime views in the area. Additionally, the backup generator would not introduce light or glare. Therefore, the Modified Project would not generate a new source of substantial glare adversely affecting nighttime views. Moreover, the construction of the Modified Project would use low-glare materials and would not substantially impact daytime views. Therefore, consistent with the previous analysis for the Approved Project, the Modified Project would not create a new source of substantial light or glare that would adversely affect day or nighttime views. No new significant impacts would occur.

Conclusion

The impacts of the Modified Project would be consistent with the impacts identified for the previously Approved Project analyzed in the IS/MND. The Modified Project would not create a new significant impact or a substantial increase in the severity of previously identified effects. In regard to Section 15162 of the State CEQA Guidelines, the Modified Project (1) would not propose substantial changes; (2) would not have circumstantial changes when the Project is undertaken; and (3) would bring about no new information of substantial importance that would (a) create new significant impacts, (b) increase the severity of previously examined effects, or (c) determine that mitigation measures or alternatives previously found not to be feasible would, in fact, be feasible; or (4) introduce mitigation measures that are considerably different from those analyzed in the previous documents. For these reasons, no major revisions to the aesthetics analysis provided in the IS/MND are required.

Mitigation Program

No mitigation for aesthetics impacts was required in the IS/MND.

4.2 AIR QUALITY

4.2.1 SUMMARY OF PREVIOUS ENVIRONMENTAL ANALYSIS

Gardena Pumping Plant Facility Replacement Project Initial Study/Mitigated Negative Declaration

The IS/MND for the Approved Project determined that the Project would have no impact regarding conflict with or obstruction of implementation of the South Coast Air Quality Management District's (SCAQMD's) Air Quality Management Plan (AQMP).

The IS/MND determined that construction and operation of the Approved Project would not have generated emissions exceeding SCAQMD project significance thresholds for regional or localized emissions, and for construction and operation of the Project. Further, the Approved Project was determined to have a less than significant impact regarding a cumulatively considerable net increase of any criteria pollutant because the Approved Project was deemed to be consistent with the AQMP, and the mass regional emissions calculated for the Project were lower than the SCAQMD's daily significance thresholds. The IS/MND determined that sensitive receptors would not be exposed to any substantial localized or regional air pollution impacts, and therefore, it determined that impacts to substantial pollutant concentration exposure to sensitive receptors would be less than significant. Additionally, the IS/MND concluded that the Approved Project would not result in significant impacts regarding creation of objectional odors affecting a substantial number of people.

4.2.2 PROJECT ENVIRONMENTAL REVIEW

Where available, the significance criteria established by the applicable air quality management district 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?

No Substantial Change from Previous Analysis. The SCAQMD develops rules and regulations, establishes permitting requirements for stationary sources, inspects emissions sources, and enforces such measures through educational programs or fines, when necessary. It is directly responsible for reducing emissions from stationary (area and point) and indirect sources and has prepared an AQMP that establishes a program of rules and regulations directed at attaining the National Ambient Air Quality Standards (NAAQS) and California Ambient Air Quality Standards (CAAQS).

The SCAQMD adopted the 2022 AQMP on December 2, 2022 (SCAQMD 2022). The 2022 AQMP incorporates the latest scientific and technical information and planning assumptions, including the 2020–2045 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS), updated emission inventory methodologies for various source categories, and Southern California Association of Government's (SCAG) latest growth forecasts. The main purpose of an AQMP is to bring an area into compliance with the requirements of federal and State air quality standards. For a project to be consistent with the AQMP, the pollutants emitted from the Project should not (1) exceed the SCAQMD CEQA air quality significance thresholds or (2) conflict with or exceed the assumptions in the AQMP.

In order to be consistent with the AQMP, the Modified Project's construction and operational emissions are compared with the SCAQMD CEQA air quality significance thresholds, as detailed later in this analysis. A Project may have a significant impact where project-related emissions would exceed federal, State, or regional standards or thresholds, or where project-related emissions would substantially contribute to an existing or projected air quality violation. The SCAQMD has developed construction and operations thresholds to determine whether projects would potentially result in contributing toward a violation of ambient air quality standards. The SCAQMD recommends that projects be evaluated in terms of the quantitative thresholds established to assess both the regional and localized impacts of project-related air pollutant emissions. LACSD uses the current SCAQMD thresholds, detailed in Table 4-1, South Coast Air Quality Management District Air Quality Significance Thresholds, to determine whether a Modified Project would have a significant impact.

TABLE 4-1
SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
AIR QUALITY SIGNIFICANCE THRESHOLDS

Mass Daily Thresholds (lbs/day)		
Pollutant	**Construction**	**Operation**
VOC	75	55
NOx	100	55
CO	550	550
PM10	150	150
PM2.5	55	55
SOx	150	150
Lead	3	3

lbs/day: pounds per day; VOC: volatile organic compound; NOx: nitrogen oxides; CO: carbon monoxide; PM10: respirable particulate matter 10 microns or less in diameter; PM2.5: fine particulate matter 2.5 microns or less in diameter; SOx: sulfur oxides.

Source: SCAQMD 2019.

As shown in Response to Threshold 4.3.2 (b) below, pollutant emissions from the Modified Project would be less than the SCAQMD thresholds and would not result in a significant impact. The Project is consistent with the Zoning and General Plan Land Use designations for the site and is therefore consistent with the growth expectations for the region. Further, the Modified Project would not directly result in population growth or development of new land uses that have not been anticipated in the AQMP. Consistent with the Approved Project, no conflict with the applicable AQMP would occur with the Modified Project, and there would be no significant impact. There would be no substantial change from previous analysis and no new impact would occur.

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?

No Substantial Change from Previous Analysis. Air pollutant emissions for the Modified Project were estimated using the California Emissions Estimator Model (CalEEMod) version 2022.1.1.0 computer program (CAPCOA 2022). CalEEMod is designed to model construction and operational emissions for land development projects and allows for the input of project- and county-specific information. For air quality modeling purposes, construction of the Project was based on the Modified Project's construction assumptions and default assumptions derived from CalEEMod.

Construction Emissions

The regional emissions thresholds (see Table 4-1) are based on the rate of emissions (i.e., pounds of pollutants emitted per day). Therefore, the quantity, duration, and the intensity of construction activities are important in ensuring analysis of worst-case (i.e., maximum daily emissions) scenarios. Each construction activity has associated off-road equipment (e.g., backhoes, cranes) and on-road vehicles (e.g., haul trucks, concrete trucks, worker commute vehicles). Detailed construction assumptions and CalEEMod inputs and outputs can be found in Appendix A, Air Quality and Greenhouse Gas Emissions Modeling Data.

Maximum daily construction emissions during the peak workday are shown in Table 4-2, Estimated Maximum Daily Construction Emissions. If construction is delayed or occurs over a longer time period, emissions could be reduced because of (1) a more modern and cleaner-burning construction equipment fleet mix and/or (2) a less intensive buildout schedule (i.e., fewer daily emissions occurring over a longer time interval). Construction of the Modified Project would be required to comply with SCAQMD Rule 403, as discussed above. Additionally, in accordance with Section 2449(d)(3) of the California Air Resources Board's (CARB's) Regulation for In-Use Off-Road Diesel-Fueled Fleets, construction equipment and vehicles are required to limit idling times to no more than five consecutive minutes. As shown and consistent with the findings of the IS/MND, all criteria pollutant emissions from Modified Project construction would be less than their respective thresholds. As such, there would be no substantial change from the previous analysis.

TABLE 4-2
ESTIMATED MAXIMUM DAILY CONSTRUCTION EMISSIONS
(LBS/DAY)

Construction Year	VOC	NOx	CO	SOx	PM10	PM2.5
2024	2	16	16	<1	6	3
2025	2	20	23	<1	6	3
2026	4	6	8	<1	<1	<1
Maximum	**4**	**20**	**23**	**<1**	**6**	**3**
SCAQMD Daily Thresholds	***75***	***100***	***550***	***150***	***150***	***55***
Exceeds SCAQMD Thresholds?	**No**	**No**	**No**	**No**	**No**	**No**

lbs/day: pounds per day; VOC: volatile organic compound(s); NOx: nitrogen oxides; CO: carbon monoxide; SOx: sulfur oxides; PM10: respirable particulate matter with a diameter of 10 microns or less; PM2.5: fine particulate matter with a diameter of 2.5 microns or less; SCAQMD: South Coast Air Quality Management District.

Source: SCAQMD 2019 (thresholds). Emissions calculated by Psomas using CalEEMod 2020.4.0 (Appendix A, Air Quality and Greenhouse Gas Emissions Modeling Data)

Localized Construction Impacts

The localized effects from the on-site portion of daily emissions were evaluated at sensitive receptor locations that would be potentially impacted by the Project; these were evaluated according to the SCAQMD's localized significance threshold (LST) methodology, which utilizes on-site mass emissions rate look up tables and Project-specific modeling, where appropriate. LSTs are applicable to the following criteria pollutants: nitrogen dioxide (NO_2), carbon monoxide (CO), respirable particulate matter with a diameter of 10 microns or less (PM10), and fine particulate matter with a diameter of 2.5 microns or less (PM2.5).[2] LSTs represent the maximum emissions from a project that are not expected to cause or contribute substantially to an exceedance of the most stringent applicable federal or State ambient air quality standard. These

[2] NO_2 impacts are addressed by evaluating nitrogen oxide (NOx) emissions.

are developed based on the ambient concentrations of that pollutant for each source receptor area and distance to the nearest sensitive receptor. For PM10 and PM2.5, LSTs were derived based on requirements in SCAQMD's Rule 403 regarding fugitive dust. For the LST CO and NO_2 exposure analysis, receptors who could be exposed for one hour or more are considered. For PM10 and PM2.5 exposure analysis, only residential receptors who could be exposed for 24 hours are considered. The mass rate look-up tables were developed for each source receptor area and can be used to determine whether or not a project may generate significant adverse localized air quality impacts. The SCAQMD provides LST mass rate look-up tables (i.e., screening thresholds) for projects that are less than or equal to five acres. The use of a LST screening threshold based on 1-acre was used to assess the potential for localized construction air quality impacts associated with the Project.

When quantifying mass emissions for localized analysis, only emissions that occur on site are considered. Consistent with the SCAQMD's LST methodology guidelines, emissions related to off-site delivery/haul truck activity and employee trips are not considered in the evaluation of localized impacts.

As shown in Table 4-3, Maximum Localized Construction Pollutant Emissions, localized construction emissions were evaluated for the maximum localized onsite emissions for nitrogen oxides (NO_x), CO, PM10, and PM2.5. Emissions occurring at the Modified Project site would be less than their respective SCAQMD LST screening thresholds. Thus, consistent with the findings of the IS/MND, construction impacts related to air pollutant exposure to sensitive receptors proximate to the Modified Project site would be less than significant, and no mitigation is required.

TABLE 4-3
MAXIMUM LOCALIZED CONSTRUCTION POLLUTANT EMISSIONS
(LBS/DAY)

	NOx	CO	PM10	PM2.5
Maximum Emissions	14	15	5	3
SCAQMD LST Screening Threshold[a]	91	664	23	7
Exceeds SCAQMD Screening Thresholds?	**No**	**No**	**No**	**No**
[a] PM10 and PM2.5 thresholds based on the distance from the Project site to the nearest residential uses.				

Operational Emissions

Consistent with the Approved Project, operations associated with the Modified Project would generally include facility inspection and maintenance activities on a daily basis, which is consistent with existing conditions. No new employees would be required for operation of the Modified Project. As such, consistent with the Approved Project, because the Modified Project would require very little maintenance once construction is completed and only on an as-needed basis, the Modified Project would have less than significant impacts and would not result in more substantial impacts than previously analyzed in the approved IS/MND.

Cumulative Impacts

The SCAQMD, in their White Paper on Regulatory Options for Addressing Cumulative Impacts from Air Pollution Emissions (presented to the Board on September 5, 2003), identifies that impacts that are less than significant on a Project level are also considered to be less than significant on a cumulative basis. The AQMD uses the same significance thresholds for

project-specific and cumulative impacts analyzed in an Environmental Assessment (EA) or an EIR, except for the Hazard Index for toxic air contaminant emissions (SCAQMD 2003). Any projects that are found to result in less than significant impacts on a project level are not considered to be cumulatively considerable and consequently would not result in a considerable contribution to cumulative impacts. Using this rationale, since the Modified Project impacts were identified as less than significant, the cumulative impacts were also identified as less than significant, and no mitigation is required. This is consistent with the approach and impact finding of the IS/MND. As such, there would be no substantial change from the IS/MND. No new impact would occur.

c) Expose sensitive receptors to substantial pollutant concentrations?

No Substantial Change from Previous Analysis. Exposure of sensitive receptors is addressed for the following situations: CO hotspots; criteria pollutants from on-site construction; and TACs from on-site construction.

Carbon Monoxide Hotspot

A CO hotspot is an area of elevated CO concentrations that is caused by severe vehicle congestion on major roadways, typically near intersections. If a project substantially increases average delay at signalized intersections that are operating at Level of Service (LOS) E or F or causes an intersection that would operate at LOS D or better without the Project to operate at LOS E or F with the Project, there is a potential for a CO hotspot.

As stated above, consistent with the Approved Project, operations associated with the Modified Project would generally include facility inspection and maintenance activities on a daily basis, which is consistent with existing conditions. No new employees would be required for operation of the Modified Project. This volume of Project-related vehicle trips would not have the potential to substantially change the average LOS at nearby intersections and consequently would not contribute to the potential for the formation of a CO hotspot.

Criteria Pollutants from On-Site Construction

Exposure of persons to NO_2, CO, PM10, and PM2.5 emissions is discussed in the LST analysis, under Threshold 4.3 (b). As discussed, there would be a less than significant impact.

Toxic Air Contaminants Impacts

The greatest potential for toxic air contaminant (TAC) emissions during construction would be related to diesel particulate emissions associated with heavy equipment operations during site grading activities. The SCAQMD does not consider diesel-related cancer risks from construction equipment to be an issue due to the short-term nature of construction activities. Construction activities associated with the Modified Project would be short term (3 years) and would be the same as the anticipated schedule for the Approved Project. The assessment of cancer risk is typically based on a 30- to 70-year exposure period. Because exposure to diesel exhaust would be well below the 30- and 70-year exposure period and the substantial distance from the Project site to the nearest residential uses, construction of the Modified Project is not anticipated to result in an elevated cancer risk to exposed persons. As such, Project-related TAC impacts during construction would be less than significant, and no mitigation is required. The Modified Project would not result in a substantial change from the IS/MND. No new impact would occur.

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

No Substantial Change from Previous Analysis. During construction, the Modified Project would require the use of equipment that may generate odors. Potential construction odors would result from on-site construction equipment's diesel exhaust emissions or paving operations. However, these odors would be temporary and would dissipate rapidly from the source with an increase in distance. The generation of these emissions would not rise to the order of a public nuisance. Construction odors would be considered less than significant. Furthermore, according to the SCAQMD's *CEQA Air Quality Handbook*, land uses associated with odor complaints typically include agricultural uses, wastewater treatment plants, food processing plants, chemical plants, composting, refineries, landfills, dairies, and fiberglass molding (SCAQMD 1993). The proposed project would include replacement of an existing pumping plant, which is not anticipated to generate new odors or increase emissions of odors, it is not one of the types of land uses identified in SCAQMD's screening criteria.

During project construction, exhaust from equipment may produce discernible odors typical of most construction sites. Potential odors produced during construction would be attributable to concentrations of unburned hydrocarbons from the tailpipes of construction equipment. However, such odors would disperse rapidly from the project site and generally occur at magnitudes that would not affect substantial numbers of people. Accordingly, impacts associated with odors during construction would be less than significant. This is consistent with the impact finding of the IS/MND. As such, there would be no substantial change from the IS/MND. No new impact would occur.

Conclusion

The impacts of the Modified Project would be consistent with the impacts identified for the previously Approved Project analyzed in the IS/MND. The Modified Project would not create a new significant impact or a substantial increase in the severity of previously identified effects. In regard to Section 15162 of the State CEQA Guidelines, the Modified Project (1) would not propose substantial changes; (2) would not have circumstantial changes when the Project is undertaken; (3) would bring about no new information of substantial importance that would (a) create new significant impacts, (b) increase the severity of previously examined effects, or (c) determine that mitigation measures or alternatives previously found not to be feasible would, in fact, be feasible; or (4) introduce mitigation measures that are considerably different from those analyzed in the previous documents. For these reasons, no major revisions to the air quality analysis provided in the IS/MND are required.

Mitigation Program

No mitigation for air quality impacts was required in the IS/MND.

4.3 CULTURAL RESOURCES

4.3.1 SUMMARY OF PREVIOUS ENVIRONMENTAL REVIEW

Gardena Pumping Plant Facility Replacement Project Initial Study/Mitigated Negative Declaration

As stated in the IS/MND, the Approved Project site does not contain any known historically significant resources. As part of preparation for the cultural resources technical report, a California Historical Resources Information System (CHRIS) records search from the South Central Coastal Information Center (SCCIC) confirmed there are no known listed properties within 1-mile radius of the Approved Project site eligible for either the NRHP, the CRHR, California Historical Landmarks, and California Points of Historical Interest; therefore, construction and operation of the Approved Project would not result in substantial adverse change to a historic resource of the Approved Project.

The CHRIS records search identified four previously recorded cultural resources within a 1-mile radius of the project site; however, none of the identified cultural resources were located within the Approved project site.

In addition to the CHRIS records search, a Sacred Lands File search was conducted for the project site and surrounding area by NAHC to determine presence of prehistoric cultural resources within the project area. NAHC responded on January 25, 2019, indicating that the search failed to indicate the presence of Native American cultural resources for the project site. However, because negative results do not preclude the presence of Native American cultural resources within the area, NAHC also suggested contacting Native American groups and/or individuals who may have knowledge of cultural resources in the project area, and provided a list of five such interested parties. Letters regarding the proposed project were sent on January 29, 2019 to all five individuals listed on the NAHC consultation list.

No archaeological resources were identified within the project site as a result of the records search or NAHC Sacred Lands File search. However, because it is always possible that intact archaeological deposits are present at subsurface levels, the IS/MND determined that the project site should be treated as potentially sensitive for archaeological resources. Therefore, mitigation measures **MM-CUL-1** and **MM-CUL-2** were recommended to reduce potential impacts to unanticipated archaeological resources to less-than-significant levels. Thus, the IS/MND determined that with incorporation of mitigation impacts associated with archaeological resources would be less than significant.

The IS/MND concluded that no known formal cemeteries are present on the Approved Project site; but identified some potential for encountering undiscovered human remains during development activities. The IS/MND concluded that compliance with Section 7050.5 of the *California Health and Safety Code* and Section 5097.98 of the *California Public Resources Code*, which require the County Coroner to be notified immediately if any human remains are encountered, would ensure that less than significant levels.

4.3.2 PROJECT ENVIRONMENTAL REVIEW

Would the Project:

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

No Substantial Change from Previous Analysis. Consistent with the previous analysis for the Approved Project, the Modified Project site does not contain any known historically significant resources. Additionally, the IS/MND confirmed there are no known listed properties within 1-mile radius of the Approved Project site eligible for either the NRHP, the CRHR, California Historical Landmarks, and California Points of Historical Interest. The CHRIS records search identified four previously recorded cultural resources within a 1-mile radius of the Project site; however, none of the identified cultural resources were located within the Modified project site: therefore, consistent with the previously approved IS/MND, construction and operation of the Modified Project would not result in substantial adverse change to a historic resource.

Moreover, the Modified Project development would not diminish the historical significance of an eligible resource. Consistent with the previous IS/MND for the Approved Project, the Modified Project site is LACSD-owned land and located in an established urban community; therefore, Modified Project development would not degrade the significance of a historical resource, and no new impacts would occur. This is consistent with the impact finding of the IS/MND. As such, there would be no substantial change from the IS/MND. No new impact would occur.

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

No Substantial Change from Previous Analysis. Consistent with the previous analysis for the Approved Project, the Modified Project would occur within the boundaries of existing LACSD-owned land. While grading and excavation would exceed the depths that were previously evaluated for the Approved Project, the entirety of the Modified Project site was analyzed in the cultural resource technical report and CHRIS record search prepared for the previously approved IS/MND. Additionally, all construction activities would occur within an area that has been subject to previous development associated with industrial uses. Potential impacts of the Modified Project to buried archaeological resources would be similar to impacts of the Approved Project. Consistent with the Approved Project, it is always possible that intact archaeological deposits are present at subsurface levels. For this reason, the Modified Project site should be treated as potentially sensitive for archaeological resources. Therefore, mitigation measures **MM-CUL-1** and **MM-CUL-2** identified in the previously approved IS/MND are also applicable to the Modified Project to reduce potential impacts to unanticipated archaeological resources to less-than-significant levels.

With the incorporation of mitigation, the impacts associated with archaeological resources would be less than significant. As such, this finding is consistent with that of the IS/MND and there would be no substantial change from the IS/MND. Therefore, no new impacts would occur.

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

No Substantial Change from Previous As explained in response to threshold 4.5.2 (b), the Modified Project would involve a similar level of disturbance of previously undisturbed soil as with the Approved Project. Thus, the potential for disturbance of human remains by Modified Project development would be the same as compared to the Approved Project. There are no previously recorded cultural resources on the Project site. Additionally, as previously mentioned, the Project site has been previously disturbed, construction activities such as grading are unlikely to uncover previously unknown archaeological resources. Nonetheless, consistent with the previously approved IS/MND and in accordance with California Health and Safety Code Section 7050.5, if potential human remains are found, the lead agency staff and the county coroner must be immediately notified of the discovery. The coroner would provide a determination within 48 hours of notification. No further excavation or disturbance of the identified material, or any material reasonably suspected to overlie additional remains, may occur until a determination has been made. If the County Coroner determines that the remains are, or are believed to be, Native American, the coroner would notify the NAHC within 24 hours. In accordance with Public Resources Code Section 5097.98, the NAHC must immediately notify those persons it believes to be the Most Likely Descendant from the deceased Native American. Within 48 hours of this notification, the Most Likely Descendant would recommend to the lead agency the preferred treatment of the remains and associated grave goods. Therefore, impacts would be less than significant. The Modified Project would comply with the same State laws governing accidental discoveries of human remains identified for the Approved Project, and no new impact would occur. This is consistent with the approach and impact finding of the IS/MND. As such, there would be no substantial change from the IS/MND. No new impact would occur.

Conclusion

Impacts of the Modified Project would be consistent with the impacts identified for the previously Approved Projects analyzed in the IS/MND. The Modified Project would not create a new significant impact or a substantial increase in the severity of previously identified effects. In regard to Section 15162 of the State CEQA Guidelines, the Modified Project (1) would not propose substantial changes; (2) would not have circumstantial changes when the Project is undertaken; (3) would bring about no new information of substantial importance that would (a) create new significant impacts, (b) increase the severity of previously examined effects, or (c) determine that mitigation measures or alternatives previously found not to be feasible would, in fact, be feasible; or (4) introduce mitigation measures that are considerably different from those analyzed in the previous documents. For these reasons, no major revisions to the cultural resources analysis provided in the IS/MND are required.

Mitigation Program

MM-CUL-1 To reduce potential impacts to unanticipated cultural resources during project implementation, all construction personnel shall undergo Worker Environmental Awareness Program (WEAP) training to ensure that any unanticipated archaeological discoveries are treated appropriately. The WEAP training shall provide specific details on the kinds of archaeological materials that may be identified during project implementation.

MM-CUL-2 In the event that archaeological resources (sites, features, or artifacts) are exposed during construction activities for the proposed project, all construction work occurring within 100 feet of the find shall immediately stop until a qualified archaeologist who meets the Secretary of the Interior's Professional Qualification Standards can evaluate the significance of the find and determine whether or not

additional study is warranted. Should it be required, temporary flagging may be installed around a resource to avoid any disturbances from construction equipment. Depending on the significance of the find under CEQA (14 California Code of Regulations section 15064.5(f); Public Resources Code section 21082), the archaeologist may record the find to appropriate standards (thereby addressing any data potential) and allow work to continue. If the archaeologist observes the discovery to be potentially significant under CEQA, additional treatment may be required.

4.4 GREENHOUSE GAS EMISSIONS

4.4.1 SUMMARY OF PREVIOUS ENVIRONMENTAL REVIEW

Gardena Pumping Plant Facility Replacement Project Initial Study/Mitigated Negative Declaration

The IS/MND presented the Project's construction and operational greenhouse gas (GHG) emissions. The Approved Project was anticipated to emit approximately 4 metric tons of carbon dioxide equivalent per year ($MTCO_2e$/yr). This is below the 10,000 $MTCO_2e$/yr SCAQMD threshold for industrial projects. As such, impacts regarding generation of GHG emissions, either directly or indirectly, that may have a significant impact on the environment, were determined to be less than significant.

The IS/MND also determined that the Approved Project would not conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs. As such, the IS/MND stated that there would be less than significant impacts to conflicts with applicable plans, policies, or regulations adopted for the purpose of reducing GHG emissions.

4.4.2 PROJECT ENVIRONMENTAL REVIEW

Would the Project:

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

No Substantial Change from Previous Analysis. Construction GHG emissions are generated by vehicle engine exhaust from construction equipment, on-road hauling trucks, vendor trips, and worker commuting trips. Construction GHG emissions were calculated by using CalEEMod 2022.1.1.0. The model and construction assumptions are described in Section 4.3, Air Quality, and are included in Appendix A. The results are output in metric tons of carbon dioxide equivalent (MTCO2e) for each year of construction.

GHG emissions generated from construction activities are finite and occur for a relatively short-term period. Unlike the numerous opportunities available to reduce a project's long-term GHG emissions through design features, operational restrictions, use of green-building materials, or other methods, GHG-reduction measures for construction equipment are relatively limited. Therefore, SCAQMD staff recommends that construction emissions be amortized over a 30-year project lifetime so that GHG-reduction measures would address construction GHG emissions as part of the operational GHG-reduction strategies. As shown in Table 4-4, GHG Emissions from Project Implementation, the 30-year amortized construction emissions of the Project would be 18 $MTCO_2e$/yr.

TABLE 4-4
GHG EMISSIONS FROM PROJECT IMPLEMENTATION

Year	Emissions ($MTCO_2e$)
2024	236
2025	221
2026	93
Total Construction Emissions	**550**
Amortized Emissions[1]	18
Operational Emissions	107
Total Annual Emissions[2]	**125**
SCAQMD Threshold for Industrial Projects	**10,000**
Exceeds Threshold?	**No**

$MTCO_2e$: metric tons of carbon dioxide equivalent; SCAQMD: South Coast Air Quality Management District

[1] Construction emissions amortized over 30 years.
[2] Combined amortized emissions with operational emissions.

Source: Appendix A, Air Quality and Greenhouse Gas Emissions Modeling Data.

Operational GHG emissions for the Modified Project are estimated by including electricity, which would amount to approximately 537,024 kilowatt hours per year (kWh/yr). The Approved Project anticipated 361,746 kWh/yr of electrical consumption. While this represents a slight increase in operational electricity use, it would only represent a slight increase in overall GHG emissions; and would be well below the 10,000 MTCO2e/yr threshold for industrial projects. The Modified Project would require daily monitoring trips and monthly maintenance trips, which is consistent with existing conditions and with the assumptions of the Approved Project. No new employees would be required for operation of the Project. The total estimated annual GHG emissions from operation of the Modified Project would be 119 $MTCO_2e$/yr, primarily from electrical consumption of the Modified Project. This is less than the 10,000 $MTCO_2e$/yr threshold for industrial projects. This is a conservative analysis because it does not take into account the GHG emissions associated with existing water delivery operations. It is very unlikely that any individual development project would have GHG emissions of a magnitude to directly impact global climate change; therefore, any impact would be considered on a cumulative basis. As such, the Modified Project would not generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment. Therefore, impacts would be consistent with the IS/MND, and no new impact would occur related to GHG emissions.

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

No Substantial Change from Previous Analysis. State policies and standards adopted for the purpose of reducing GHG emissions include Executive Order (EO) S-3-05, AB 32, SB 375, and EO B-30-15. The quantitative goal of these regulations is to reduce GHG emissions to 1990 levels by 2020, to 40 percent below 1990 levels by 2030, and to 80 percent below 1990 levels by 2050. Statewide plans and regulations (such as GHG emissions standards for vehicles, the Low Carbon Fuel Standard, Cap-and-Trade, and renewable energy) are being implemented at the statewide level, and compliance at a project level is not addressed. Therefore, consistent with the Approved Project, the Modified Project also does not conflict with these plans and regulations. Consistent with the Approved Project, the majority of GHG emissions for the Modified Project are from electrical consumption. CARB has set stringent energy efficiency measures for the Renewable Portfolio Standard. The Modified Project involves the development of water conveyance

infrastructure which would not conflict with applicable plans, policies, or regulations adopted for the purpose of reducing the emissions of GHG. This is consistent with the approach and impact finding of the IS/MND. As such, there would be no substantial change from the IS/MND. No new impact would occur.

Conclusion

The impacts of the Modified Project would be consistent with the impacts identified for the previously Approved Project analyzed in the IS/MND. The Modified Project would not create a new significant impact or a substantial increase in the severity of previously identified effects. In regard to Section 15162 of the State CEQA Guidelines, the Modified Project (1) would not propose substantial changes; (2) would not have circumstantial changes when the Project is undertaken; (3) would bring about no new information of substantial importance that would (a) create new significant impacts, (b) increase the severity of previously examined effects, or (c) determine that mitigation measures or alternatives previously found not to be feasible would, in fact, be feasible; or (4) introduce mitigation measures that are considerably different from those analyzed in the previous documents. For these reasons, no major revisions to the GHG analysis provided in the IS/MND are required.

Mitigation Program

No mitigation measures for GHG emission impacts were required in the IS/MND.

4.5 LAND USE AND PLANNING

4.5.1 SUMMARY OF PREVIOUS ENVIRONMENTAL REVIEW

Gardena Pumping Plant Facility Replacement Project Initial Study/Mitigated Negative Declaration

According to the previously prepared IS/MND, the Approved Project would redevelop the Project site with uses similar to existing uses; additionally, the Project site and surrounding area contain predominately commercial land uses. The project site is not used as a connection between established communities. Instead, connectivity within the area surrounding the project site is facilitated via local roadways.

At the time the previous IS/MND was prepared, the Approved Project site had an 'Industrial' General Plan Land use designation. The IS/MND determined that because the Project involves upgrades to the existing pumping plant, the proposed use was consistent with the general plan's Industrial designation, and the General Commercial zone (C-3).

4.5.2 PROJECT ENVIRONMENTAL REVIEW

Would the Project:

a) Physically divide an established community?

No Substantial Change from Previous Analysis. Consistent with the previous analysis for the Approved Project, implementation of the Modified Project would occur within the boundaries of the existing LACSD property. The Modified Project site and surrounding area contain predominately commercial land uses; furthermore, the Modified Project site is not used as a connection between established communities. Instead, connectivity within the area surrounding the Modified Project site is facilitated via local roadways. Therefore, consistent with the IS/MND, no new impacts would occur and no mitigation is required

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?

As previously discussed, the previously prepared IS/MND analyzed the Project's consistency with the City of Gardena's 'Industrial' land use designation/ However, in April 2021, the City of Gardena revised its General Plan's land use designations; as such, the current land use designation for the Modified Project site is 'General Commercial'.

The General Commercial land use designation, as defined by the City's General Plan, provides for a wide range of larger scale commercial uses to serve both the needs of the City and the region. The maximum permitted FAR within the General Commercial designation is 0.5 in general and up to 2.75 for specific uses described in the zoning code (Gardena 2021). Specifically, the zoning code states that building heights shall not exceed sixty-five feet in general; shall not exceed thirty-five feet within one hundred feet of a zone boundary line between the C-3 zone and any R-1 and R-2 zone; and shall not exceed fifty feet within one hundred feet of a zone boundary line between the C-3 and R-3 or R-4 zones; the gross floor area of all buildings or structures on a lot or lots that comprise a project site shall not exceed 0.50 floor-area-ratio (FAR) with the exception of amenity hotels, which may have a FAR of up to 2.0 (Gardena 2022). The Modified Project site is C-3 and is not within 100 feet of a zone boundary line between the relevant zones, therefore

the building height shall be within a maximum height of sixty-five (65) feet. The proposed Main Plant building would be approximately 35 feet tall which meets this requirement.

The Modified Project would be exempt from local building codes per California Government Code, Article 5, Section 53091(d), which specifically excludes "the location or construction of facilities for the production, generation, storage, treatment, or transmission of water, wastewater, or electrical energy by a local agency." LACSD will coordinate with the City of Gardena to obtain a conditional use permit and variance as part of the Project if deemed necessary by the City of Gardena Zoning code.

This is consistent with the approach and impact finding of the IS/MND. As such, there would be no substantial change from the IS/MND. No new impact would occur.

Conclusion

The impacts of the Modified Project would be consistent with the impacts identified for the previously Approved Project analyzed in the IS/MND. The Modified Project would not create a new significant impact, nor would it create a substantial increase in the severity of previously identified effects. In regard to Section 15162 of the State CEQA Guidelines, the Modified Project (1) would not propose substantial changes; (2) would not have circumstantial changes when the Project is undertaken; (3) would bring about no new information of substantial importance that would (a) create new significant impacts, (b) increase the severity of previously examined effects, or (c) determine that mitigation measures or alternatives previously found not to be feasible would, in fact, be feasible; or (4) introduce mitigation measures that are considerably different from those analyzed in the previous documents. For these reasons, no major revisions to the land use and planning analysis provided in the IS/MND are required.

Mitigation Program

No mitigation for land use and planning impacts was required in the IS/MND.

4.6 NOISE

4.6.1 SUMMARY OF PREVIOUS ENVIRONMENTAL REVIEW

Gardena Pumping Plant Facility Replacement Project Initial Study/Mitigated Negative Declaration

The IS/MND concluded that Approved Project construction would not generate noise exceeding construction noise thresholds at the nearest noise-sensitive land uses. Furthermore, the IS/MND determined that the highest noise levels would occur during grading and demolition, when noise levels from construction activities would be as high as approximately 64 dBA Leq (equivalent continuous sound level) at the nearest residences, and 61 dBA Leq at the nearby church. During other phases of construction, construction noise would range from approximately 50 to 63 dBA Leq. Although nearby noise-sensitive land uses would be exposed to construction noise levels, the exposure would be relatively low; it was determined that ambient daytime noise levels at these locations are substantially higher (ranging from 71 to 74 dBA Leq). Additionally, the noise from construction of the Approved Project would be short-term and intermittent throughout the construction timeframe and would cease upon Project construction. It was anticipated that construction activities associated with the Project would take place during the time periods required by the City of Gardena and the City of Torrance construction noise standards. Therefore, it was determined that noise impacts from construction would be less than significant.

4.6.2 PROJECT ENVIRONMENTAL REVIEW

Existing Conditions

Noise Measurements

The existing noise environment at the Project site is primarily influenced by vehicular-generated noise on nearby roads. Noise measurements were previously recorded near the Approved Project site on March 2019. Noise levels taken at the that time are anticipated to be representative of the Modified Project site since there would not be substantial changes to traffic volumes that would change the overall ambient noise environment. Noise levels taken at that time are presented below. Noise levels taken at these receptor locations range from 71 dBA to 74 dBA Leq which are typical for locations near busy roadways.

Receptors	Location/Address	Date	Time	Leq (dBA)	Lmax (dBA)
ST1	19195 W. Artesia Boulevard; adjacent to existing pumping plant	March 28, 2019	9:40 a.m.–9:56 a.m.	70.9	79.9
ST2	2003 W. Artesia Boulevard; adjacent to residences at West Artesia Boulevard and Gramercy Place	March 28, 2019	9:59 a.m.–10:15 a.m.	73.6	82.8
ST3	2000 W. Artesia Boulevard; adjacent to church	March 28, 2019	10:19 a.m.–10:34 a.m.	73.4	80.9
Source: Dudek 2019.					

Noise-Sensitive Receptors

The State of California defines noise-sensitive receptors as those land uses that require serenity or are otherwise adversely affected by noise events or conditions (State of California 2015). Noise-sensitive land uses typically include residences, hospitals, churches, schools, and libraries,

which could all be adversely affected by an increase in noise levels. Noise sensitive receptors in the vicinity of the Modified Project site include the following: multifamily residences located to the approximately 270 feet to the west of the Project site and a church located approximately 390 feet to the southwest.

Regulatory Setting

The Project site is located on the border of Gardena and Torrance. Both cities have established noise guidelines to protect against adverse effects. For evaluation of potential impacts, regulatory framework summaries for the City of Gardena and City of Torrance are provided.

City of Gardena

Gardena General Plan

The City of Gardena's General Plan (2006) identifies objectives and outlines policies for the city's development over the next 15-20 years. Within the General Plan is a Noise Plan, part of the Community Safety Element, that provides noise guidelines for various land uses.

As the Noise Plan indicates, a "normally acceptable" exterior noise level for single, duplexes, and multi-family homes is up to 60 dB CNEL with no special noise insulation features incorporated in construction. An exterior noise level of up to 65 dB CNEL is considered "conditionally acceptable"; construction in residential areas shall take place after noise requirement analysis is conducted and noise insulation features are included in the project's design.

The following Goals and Policies from the Noise Plan are applicable to this project:

Noise Plan Goals and Policies

- Goal N2: Incorporate noise considerations into land use planning decisions.
    - Policy N 2.4: Require mitigation of all significant noise impacts as a condition of project approval.
- Goal N 3.0: Develop measures to control non-transportation noise impacts.
    - Policy N 3.1: Require compliance with a quantitative noise ordinance based on the Model Noise Ordinance developed by the (now-defunct) State of California Office of Noise Control.
    - Policy N 3.2: Require compliance with noise regulations. Review and update Gardena's policies and regulations affecting noise.
    - Policy N 3.3: Require compliance with construction hours to minimize the impacts of construction noise on adjacent land.

Gardena Municipal Code

The following sections of the Gardena Municipal Code (GMC) apply to the Project:

Section 8.36.010 Declaration of policy

In order to control unnecessary, excessive and annoying noise and vibration in the City of Gardena, it is hereby declared to be the policy of the City to prohibit such noise and vibration generated from or by all sources as specified in this chapter. It shall be the policy of the City to

maintain quiet in those areas which exhibit low noise levels and to implement programs aimed at reducing noise in those areas within the City where noise levels are above acceptable values.

It is determined that certain noise levels and vibrations are detrimental to the public health, welfare and safety, and are contrary to public interest. Therefore, the City Council does ordain and declare that creating, maintaining, causing or allowing to be created, caused or maintained, any noise or vibration in a manner prohibited by or not in conformity with the provisions of this chapter, is a public nuisance and shall be punishable as such. (Ord. 1683 § 1, 2006; Urg. Ord. 1682 § 1, 2006; prior code § 4-8.01)

Section 8.36.040 Exterior Noise Standards

A. The following exterior noise standards, unless otherwise specifically indicated, shall apply to all property within the City. The Land Use category refers to the affected receiver property:

Exterior and Interior Noise Limits

	Allowable Exterior Noise Level			
	15-Minute Average Level		**Maximum Level**	
Land Use	**7am-10pm**	**10pm-7am**	**7am-10pm**	**10pm-7am**
Residential	55	50	75	70
Residential portions of mixed-use	60	50	80	70
Commercial	65	60	85	80
Industrial or manufacturing	70	70	90	90
Source: Gardena Municipal Code Section 9.36.040				

In the event the alleged offensive noise contains a pure tone such as a whine, screech, or hum, or contains repetitive, impulsive or impact noise such as hammering or riveting, or contains music or speech conveying informational content, each of the above noise standards shall be reduced by 5 dB.

B. No person shall operate or cause to be operated, any source of sound at any location within the incorporated City or allow the creation of any noise on property owned, leased, occupied or otherwise controlled by such person, which causes the noise level when measured from any other property, either incorporated or unincorporated, to exceed the noise standards of paragraph (A).

C. In the event the ambient noise level exceeds the noise standard, the ambient noise level shall become the noise standard. (Ord. 1683, 2006; Urg. Ord. 1682, 2006).

8.36.070 Prohibited acts. 7. Vibration

Operating or permitting the operation of any device that creates a vibration which is above the vibration perception threshold of an individual at or beyond the real property boundary of the source if on private property or at 150 feet from the source if on a public space or public right-of-way.

8.36.020 Definitions

Vibration Perception Threshold: The minimum ground- or structure-borne vibrational motion necessary to cause a normal person to be aware of the vibration by such direct means as, but not limited to, sensation by touch or visual observation of moving objects. The perception threshold shall be presumed to be a motion velocity of 0.01 in/sec over the range of 1 to 100 Hz.

Chapter 8.36.080 Exemptions

G. Noise associated with construction, repair, remodeling, grading or demolition of any real property, provided said activities do not take place between the hours of 6:00 p.m. and 7:00 a.m. on weekdays between the hours of 6:00 p.m. and 9:00 a.m. on Saturday or any time on Sunday or a Federal holiday.

City of Torrance

The City of Torrance's General Plan (2010) identifies objectives and outlines policies for the city's development over the next 15-20 years. Within the General Plan is the Noise Element which outlines policies aimed at protecting residents from excessive noise. The following objectives and goals of the Noise Element are applicable to the project:

- Objective N.1: To identify noise pollution and establish effective noise abatement methods.
    - Policy N.1.1: Continue to strictly enforce the provisions of the City's Noise Ordinance to ensure that stationary noise, traffic-related noise, railroad noise, airport-related noise, and noise emanating from construction activities and special events are minimized.
    - Policy N.1.4: Minimize unnecessary outdoor noise through enforcement of the noise ordinance and through permit processes that regulate noise-producing activities.
- Objective N.3: To minimize noise incompatibilities between land uses.
    - Policy N.3.1: Review industrial, commercial, or other noise-generating land use proposals for compatibility with nearby noise-sensitive land uses, and require that appropriate mitigation be provided.
    - Policy N.3.2: Require the inclusion of noise-reducing design features for developments near noise-sensitive land uses.
    - Policy N.3.4: Work with property and business owners to avoid or resolve noise incompatibilities in commercial or industrial areas.
- Objective N.4: To research and implement new means of noise abatement.
    - Policy N.4.1: Encourage and support efforts by the State of California to abate noise pollution by using stricter quantitative noise standards, shorter compliance time governing operation of all types of motor vehicles, etc.
    - Policy N.4.2: Maintain open lines of communication between the City and all federal, State, and County agencies involved in noise abatement.
    - Policy N.4.3: Educate residents and businesses of the effects of noise pollution, ways they can assist in noise abatement, and noise abatement programs within the City.

Torrance Municipal Code

The following sections of the Torrance Municipal Code (TMC) apply to the Project:

Section 46.3.1 Construction of Building

A. It shall be unlawful for any person within the City of Torrance to operate power construction tools, equipment, or engage in the performance of any outside construction or repair work on buildings, structures, or projects in or adjacent to a residential area involving the creation of noise beyond 50 decibels (db) as measured at property lines, except between the hours of 7:30 A.M. to 6:00 P.M. Monday through Friday and 9:00 A.M. to 5:00 P.M. on Saturdays. Construction shall be prohibited on Sundays and Holidays observed by City Hall. An exception exists between the hours of 10:00 A.M. to 4:00 P.M. for homeowners that reside at the property.

B. The Community Development Director may allow expanded hours and days of construction if unusual circumstances and conditions exist. Such requests must be made in writing and must receive approval by the Director prior to any expansion of the hour and day restrictions listed above.

C. Every construction project requiring Planning Commission review or considered to be a significant remodel as defined by Section 231.1.2, shall be required to post an information board along the front property line that displays the property owner's name and contact number, contractor's name and contact number, a copy of TMC Section 46.3.1, a list of any special conditions, and the Code Enforcement phone number where violations can be reported.

D. Properties zoned as commercial, industrial or within an established redevelopment District, are exempted from the above day and hour restrictions if a minimum buffer of 300 feet is maintained from the subject property's property line to the closest residential property. The Community Development Director, may, however, revoke such exemption for a particular project if the noise level exceeds 50 decibels (db) at the property line of a residential property beyond the 300 linear foot buffer.

E. Heavy construction equipment such as pile drivers, mechanical shovels, derricks, hoists, pneumatic hammers, compressors or similar devices shall not be operated at any time, within or adjacent to a residential area, without first obtaining from the Community Development Director permission to do so. Such request for permission shall include a list and type of equipment to be used, the requested hours and locations of its use, and the applicant shall be required to show that the selection of equipment and construction techniques has been based on minimization of noise within the limitations of such equipment as is commercially available or combinations of such equipment and auxiliary sound barriers. Such permission to operate heavy construction equipment would be revoked if operation of such equipment is not in accordance to approval. No permission shall be required to perform emergency work as defined in Article 1 of this Chapter.

Chapter 46.7.2 Noise Limits

A. Noise Limits on Residential Land. It shall be unlawful for any person within the City of Torrance (wherever located) to produce noise in excess of the following levels as received on residential land owned or occupied by another person within the designated regions. In addition to the noise limits stated herein, the noise limits set forth in Sec. 46.7.2.b) shall also be complied with.

Impact Analysis

Would the Project:

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?

No Substantial Change from Previous Analysis.

Construction Noise

The Modified Project involves construction of an upgraded pumping plant as well as deep excavation of a well; installation of new influent cross connections, manhole, pumps and discharge piping; as well as construction of new superstructure over the well. These activities would occur over approximately 700 working days. There are no nearby noise sensitive uses. As discussed previously, the nearest noise sensitive uses are multifamily residential uses located 270 feet to the west and church uses located 390 feet to the southwest. Construction activities would occur within the hours allowed under the City of Gardena's Municipal Code.

Construction noise levels were calculated using the Roadway Construction Noise Model developed by the Federal Highway Administration for each construction phase for the Modified Project. Typically, the estimated construction noise levels are governed primarily by equipment that produce the highest noise levels. Construction noise levels for each generalized construction phase (i.e., ground clearing/demolition, excavation, foundation construction, paving, and site cleanup) are based on construction equipment projections provided by LACSD and do not include use of atypical and/or vibration-intensive equipment (e.g., impact pile drivers). All construction equipment is anticipated to be fitted with the original equipment manufacturer or manufacturer approved equivalent mufflers or intake silencers to maintain, at minimum, published noise emission levels. The duration of the construction phases vary due to the anticipated construction needs.

The degree to which noise-sensitive receptors are affected by construction activities depends heavily on their proximity. Estimated noise levels at the nearest noise sensitive uses attributable to the development of the Project site are shown in Table 4-5.

TABLE 4-5
ESTIMATED CONSTRUCTION NOISE LEVELS AT RECEPTORS

Construction Phase	Noise Level at Residences to the West (dBA L_{eq})	Noise Level at the Church to the Southwest (dBA L_{eq})
Distance (ft)	270	390
Ground Clearing/Demolition	66	63
Ground Clearing/Demolition of Onsite Buildings	70	67
Grading/Excavation	70	67
Foundation/Construction	66	63
Architectural Coatings	59	56
Paving and Site Cleanup	70	67
dBA: A-weighted decibels; Leq: Equivalent Noise Level; ft: feet; N/A: not applicable Source: Noise calculations in Appendix D.		

Table 4-5 shows the Modified Project related construction noise level exposure to offsite receptors. While individual pieces of construction equipment may operate at the closest distance, the projected noise created from construction is a composite of heavy equipment pieces working together and the physical limitations of proximity due to the size of the equipment would preclude all pieces working at the most proximate location. Noise levels for the closest distances represent the noise levels from construction occurring at the closest point of the Project site to the closest point of the property line of the nearest land use/receptor. Noise levels at the closest distances would occur only intermittently because construction equipment moves around the site and is at the site boundary for only short periods of time. Noise levels at the receptor sites would be reduced as the listener moves away from the Project boundary or is shielded by structures in the receptor area. Noise levels from anticipated Project-related construction activities are anticipated to range from 59 to 70 dBA L_{eq} for the multifamily residential use and 56 to 67 dBA L_{eq} for the church. Noise level reductions from existing masonry walls and structures were not included. These noise levels are comparable to the noise levels measured for the ambient noise environment.

Short-term construction noise also would be generated on local roadways by workers commuting to and from the job site and delivering construction materials. Under the phase with the most truck traffic generation, it is estimated that approximately 28 haul truck trips for the excavation phase and 12 worker trips would occur on a daily basis. This is a small quantity of vehicle trips considering that Artesia Boulevard has in excess of 49,000 vehicle trips per day based on estimates provided within the City's General Plan. The increase in noise roadway noise due to construction traffic would be less than 1 decibel and not result in an audible change in noise levels.The cities of Gardena and Torrance do not have quantitative construction noise limits. As described above, these cities prescribe specific time periods for construction activities that generate noise. These cities have identified limiting the hours in which construction activity is permitted to the least noise sensitive portions of the day as the primary method of restricting noise from construction. Because the Modified Project would not involve construction equipment that generate extremely high magnitudes of noise, such as impact pile driving, and would not occur during the evening and night-time periods of the day, when people are especially sensitive to noise, and would be comparable to the measured ambient noise environment, there would be a less than significant impact and no mitigation is required or recommended.

Operational Noise

The Modified Project site would generate noise during the operations phase of the Project. Noise produced during the operations phase would include traffic-related noise from worker trips and stationary sources of noise from pumps, generators, valves, and associated machinery. In terms of traffic noise, an existing employee would visit the Modified Project site to monitor and maintain the facilities and would generate nominal new vehicle trips related to these activities. As such, the Modified Project would not generate an increase in traffic-related noise beyond what already is present. For stationary sources of noise, no audible sounds were detected in the noise analysis of the previously adopted Project. The Modified Project would likewise entail consolidation of pumping infrastructure into one building. The proposed building would substantially attenuate noise produced by the Modified Project's machinery. The Project site is also required to minimize noise levels to comply with the noise limits established within the Chapter 8.36 Noise of the City's Municipal Code. Compliance with the City's noise limit is feasible due to the noise attenuation provided by the proposed building especially since the Project site is surrounded by industrial uses which are not considered to be noise sensitive and the nearest noise sensitive uses are not proximate to the Project site and would benefit from the noise attenuation provided by substantial distances. As such, the construction and operations phases of the Modified Project would not result in a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in noise ordinances.

Generation of excessive groundborne vibration or ground borne noise levels?

No Substantial Change from Previous Analysis.

Construction Annoyance

The City of Gardena has adopted vibration threshold limits in Gardena Municipal Code Section 8.36.070.7, Prohibited Acts, for annoyance (rattling of windowpanes and picture frames, ground borne noise from vibration, etc.) based on the level of perception at a distance of 150 feet from sources on a public space. The level of perception for vibration is defined as 0.01 inches per second in Gardena Municipal Code Section 8.36.020, Definitions. This threshold was applied to vibration sensitive uses, such as residential and church uses, but not to industrial uses where employees are not considered to be vibration sensitive receptors.

Construction Vibration

The City of Gardena does not have applicable City quantitative standards for vibration-induced building damage from vibration (i.e., cosmetic damage to building facades). The California Department of Transportation (Caltrans) has adopted vibration damage thresholds for, which are shown in Table 4-6, to assess the potential for structural damage to buildings from vibration. The structural damage threshold for "older residential structures" of 0.3 ppv in/sec for continuous/frequent (i.e., intermittent) sources is most applicable for residential uses. For commercial and industrial buildings proximate to the Modified Project site, 0.5 ppv is applicable to this analysis.

TABLE 4-6
VIBRATION DAMAGE THRESHOLD CRITERIA

Structure and Condition	Maximum ppv (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

ppv: peak particle velocity; in/sec: inch(es) per second

Note: Transient sources create a single isolated vibration event, such as blasting or drop balls. Continuous/frequent intermittent sources include impact pile drivers, pogo-stick compactors, crack-and-seat equipment, vibratory pile drivers, and vibratory compaction equipment.

Source: Caltrans 2013.

Site development, earth removal, and repaving would occur at the Modified Project site. These construction activities would generate vibration. These activities involve the use of typical off-road vehicles and stationary equipment. Pile driving and blasting are generally the sources of the most severe vibration during construction. Neither pile driving nor blasting would be used during Project construction. Table 4-7 summarizes typical vibration levels associated with construction activities for various vibration-inducing pieces of equipment, not all of which would be required for the Project.

TABLE 4-7
VIBRATION LEVELS FOR
CONSTRUCTION EQUIPMENT

Equipment		ppv at 25 ft (in/sec)
Pile driver (impact)	upper range	1.518
	typical	0.644
Pile driver (sonic)	upper range	0.734
	typical	0.170
Vibratory roller		0.210
Large bulldozer		0.089
Caisson drilling		0.089
Loaded trucks		0.076
Jackhammer		0.035
Small bulldozer		0.003
ppv: peak particle velocity; ft: feet; in/sec: inches per second. Source: Caltrans 2013; FTA 2006.		

Table 4-8 summarizes the anticipated vibration levels (measured in ppv) at the Modified Project site. Vibration levels are based at the nearest land use and structure to the closest point at which construction equipment would operate.

TABLE 4-8
ESTIMATED VIBRATION LEVELS AT NEAREST RECEPTORS

Construction Phase	Vibration Level (ppv)	Vibration Thresholds (Building Damage/Annoyance ppv)	Exceeds
Western Residences Assessed at 270 feet from Construction Site			
Vibratory roller	0.006	0.01/0.3	No
Large bulldozer	0.003		
Small bulldozer	0.003		
Jackhammer	0.000		
Loaded trucks	0.001		
Church Uses Assessed at 270 feet from Construction Site			
Vibratory roller	0.003	0.01/0.3	No
Large bulldozer	0.001		
Small bulldozer	0.001		
Jackhammer	0.000		
Loaded trucks	0.001		
Western Industrial Uses Assessed at 15 feet from Construction Site			
Vibratory roller	0.452	NA/0.5	No
Large bulldozer	0.191		
Small bulldozer	0.191		
Jackhammer	0.006		
Loaded trucks	0.075		
Northern Industrial Uses Assessed at 15 feet from Construction Site			
Vibratory roller	0.452	NA/0.5	No
Large bulldozer	0.191		
Small bulldozer	0.191		
Jackhammer	0.006		
Loaded trucks	0.075		
Eastern Industrial Uses Assessed at 15 feet from Construction Site			
Vibratory roller	0.452	NA/0.5	No
Large bulldozer	0.191		
Small bulldozer	0.191		
Jackhammer	0.006		
Loaded trucks	0.075		

NA: Not applicable
ppv: peak particle velocity
Vibration calculations can be found in Attachment B.

As shown in Table 4-8, vibration levels would not exceed the building damage and annoyance thresholds when construction activities occur closest to the nearest offsite buildings to the Modified Project site. Buildings located further from these analyzed locations would be exposed to lower levels of Project-related vibration.

Operations Phase Vibration

The equipment associated with the Modified Project include water pumps, generator, and other machinery associated with water conveyance. This machinery would not generate substantial

levels of vibration that would be expected to exceed the perceptibility threshold established by the City. There would be a less than significant impacts related to vibration and no mitigation measures are needed nor recommended.

This finding is consistent with the IS/MND; thus, no new impacts would occur, no subsequent analysis is required, and no mitigation is necessary.

b) 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?

No Substantial Change from Previous Analysis. Consistent with the finding of the IS/MND for the Approved Project, the Modified Project site is located approximately 3.6 miles south-southeast of the Hawthorne Municipal Airport. This is the closest airport to the Project site. The Modified Project site is not considered to be noise sensitive and due to the distance from the Modified Project site to the nearest airport, employees at the Project site would not be exposed to excessive levels of aircraft noise. No new or increased impact would occur; no mitigation is required; and no subsequent analysis is needed.

Conclusion

The impacts of the Modified Project would be consistent with the impacts identified for the previously Approved Project analyzed in the IS/MND. The Modified Project would not create a new significant impact or a substantial increase in the severity of previously identified effects. In regard to Section 15162 of the State CEQA Guidelines, the Modified Project (1) would not propose substantial changes; (2) would not have circumstantial changes when the Project is undertaken; (3) would bring about no new information of substantial importance that would (a) create new significant impacts, (b) increase the severity of previously examined effects, or (c) determine that mitigation measures or alternatives previously found not to be feasible would, in fact, be feasible; or (4) introduce mitigation measures that are considerably different from those analyzed in the previous documents. For these reasons, no major revisions to the noise analysis provided in the IS/MND are required.

Mitigation Measure

No significant impacts related to noise or vibration from both the construction and operations phases of the Modified Project would occur and no mitigation measures are required.

4.7 OTHER TOPICAL AREAS

4.7.1 SUMMARY OF PREVIOUS ENVIRONMENTAL REVIEW

Gardena Pumping Plant Facility Replacement Project Initial Study/Mitigated Negative Declaration

The IS/MND determined that all potentially significant impacts for the Approved Project would be mitigated to less than significant levels through implementation of the recommended mitigation measures: **MM CUL-1,** requiring all construction personnel to undergo Worker Environmental Awareness Program (WEAP) training for paleontological resources, and **MM CUL-2** requiring that, in the event that archaeological resources (sites, features, or artifacts) are exposed during Project construction activities, all construction work occurring within 100 feet of an archaeological find shall immediately stop until a qualified archaeologist can evaluate the significance of the find and determine whether or not additional study is warranted; **MM GEO-1** requiring paleontological monitoring during excavations in areas underlain by Quaternary alluvium; **MM NOI-1,** requiring the development of a hazardous materials management/contingency plan (HMMCP) prior to construction, and **MM NOI-2** requiring a lead-based paint and asbestos survey prior to demolition of on-site buildings; **MM TRA-1** which requires development and implementation of a Construction Traffic Management Plan, and **MM TRC 1,** requiring all construction personnel to undergo Worker Environmental Awareness Program (WEAP) training for tribal cultural resources, **MM TRC-2,** requiring that, in the event a potential tribal cultural resource is uncovered during construction, all work in the immediate vicinity of the discovery (within 50 feet) shall cease, LACSD shall be notified, and a qualified archaeologist shall assess the find, and **MM TRC-3**, requiring that, in the event significant Native American cultural resources are discovered and avoidance cannot be ensured, a qualified archaeologist shall be retained to develop a Cultural Resources Treatment Plan for review and comment by the interested tribe(s).

4.7.2 PROJECT ENVIRONMENTAL REVIEW

The Modified Project involves minor modifications to the Approved Project. These modifications occur within the same physical area as analyzed as part of the approved IS/MND and involve minor changes to construction and operational details. Based on the proposed modifications, the impact analyses for the following topics would be consistent with the previous analyses contained in the approved IS/MND and do not require detailed analyses: Agriculture and Forestry Resources, Biological Resources, Energy, Geology and Soils, Hazards and Hazardous Materials, Hydrology and Water Quality, Mineral Resources, Population and Housing, Public Services, Recreation, Transportation, Tribal Cultural Resources, Utilities and Service Systems, and Wildfire.

Based on review the IS/MND, the Modified Project would not result in any changes to the level of impacts or required mitigation measures previously identified.

Conclusion

The impacts of the Modified Project would be consistent with the impacts identified for the previously Approved Project analyzed in the IS/MND. The Modified Project would not create a new significant impact or a substantial increase in the severity of previously identified effects. In regard to Section 15162 of the State CEQA Guidelines, the Modified Project (1) would not propose substantial changes; (2) would not have circumstantial changes when the Project is undertaken; (3) would bring about no new information of substantial importance that would (a) create new significant impacts, (b) increase the severity of previously examined effects, or (c) determine that mitigation measures or alternatives previously found not to be feasible would, in fact, be feasible;

or (4) introduce mitigation measures that are considerably different from those analyzed in the previous documents. For these reasons, no major revisions were made to the analyses provided in the IS/MND.

SECTION 5.0
CONCLUSIONS

Based on the analysis provided in this Addendum, the record demonstrates sufficient evidence to determine that (1) the Modified Project does not represent a substantial change from the previously Approved Project evaluated in *Gardena Pumping Plant Facility Replacement Project Final IS/MND*; (2) no substantial changes have occurred with respect to the circumstances under which the Modified Project is undertaken; and (3) the modifications to the Modified Project have not introduced new information of substantial importance which was not known and could not have been known at the time the project was certified as complete. The Modified Project would not have any new or substantially more severe impacts than what was evaluated in *Gardena Pumping Plant Facility Replacement Project Final IS/MND.* No new Mitigation Measures are recommended in addition to those adopted at the time the project was approved that would further reduce project impacts. *Gardena Pumping Plant Facility Replacement Project Final IS/MND* and this Addendum, provides adequate documentation pursuant to the CEQA for the Gardena Pumping Plant Facility Replacement Project.

This page intentionally left blank

APPENDIX A

CALEEMOD CALCULATIONS

Gardena Addendum Detailed 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. Demolition (2026) - Unmitigated

3.5. Grading (2024) - Unmitigated

3.7. Grading (2025) - Unmitigated

3.9. Building Construction (2025) - Unmitigated

3.11. Building Construction (2026) - Unmitigated

3.13. Paving (2026) - Unmitigated

3.15. Architectural Coating (2026) - 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

4.3.2. Unmitigated

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

4.5. Waste Emissions by Land Use

4.5.2. 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

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Gardena Addendum
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.20
Precipitation (days)	17.4
Location	33.87307674094991, -118.31191541159261
County	Los Angeles-South Coast
City	Gardena
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4605
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas

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
General Light Industry	4.00	1000sqft	0.09	4,000	0.00	120	—	—
Parking Lot	10.0	1000sqft	0.23	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.	1.90	4.25	16.3	16.4	0.03	0.67	5.61	6.27	0.61	2.71	3.32	—	4,439	4,439	0.21	0.34	5.22	4,551
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.38	1.91	20.0	22.6	0.05	0.79	5.63	6.42	0.73	2.71	3.44	—	5,741	5,741	0.26	0.34	0.14	5,850
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.69	0.56	5.58	6.17	0.01	0.22	1.36	1.59	0.21	0.65	0.85	—	1,398	1,398	0.06	0.08	0.62	1,426
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.13	0.10	1.02	1.13	< 0.005	0.04	0.25	0.29	0.04	0.12	0.16	—	232	232	0.01	0.01	0.10	236

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2024	1.90	1.52	16.3	16.4	0.03	0.67	5.61	6.27	0.61	2.71	3.32	—	4,439	4,439	0.21	0.34	5.22	4,551
2025	0.63	0.53	5.17	7.07	0.01	0.22	0.03	0.25	0.20	0.01	0.21	—	1,349	1,349	0.05	0.01	0.14	1,355
2026	0.74	4.25	5.69	8.18	0.01	0.21	0.23	0.41	0.20	0.05	0.22	—	1,486	1,486	0.06	0.02	0.80	1,492
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	1.90	1.52	16.4	16.3	0.03	0.67	5.61	6.27	0.61	2.71	3.32	—	4,431	4,431	0.21	0.34	0.14	4,538
2025	2.38	1.91	20.0	22.6	0.05	0.79	5.63	6.42	0.73	2.71	3.44	—	5,741	5,741	0.26	0.34	0.14	5,850
2026	0.60	0.50	4.84	7.01	0.01	0.19	0.03	0.22	0.17	0.01	0.18	—	1,346	1,346	0.05	0.01	< 0.005	1,352
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.69	0.56	5.58	6.17	0.01	0.22	1.36	1.59	0.21	0.65	0.85	—	1,398	1,398	0.06	0.08	0.62	1,426
2025	0.58	0.48	4.82	6.04	0.01	0.20	0.66	0.86	0.18	0.32	0.50	—	1,317	1,317	0.06	0.05	0.29	1,333
2026	0.26	0.33	2.07	2.97	0.01	0.08	0.02	0.10	0.07	0.01	0.08	—	557	557	0.02	0.01	0.04	560
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.13	0.10	1.02	1.13	< 0.005	0.04	0.25	0.29	0.04	0.12	0.16	—	232	232	0.01	0.01	0.10	236
2025	0.11	0.09	0.88	1.10	< 0.005	0.04	0.12	0.16	0.03	0.06	0.09	—	218	218	0.01	0.01	0.05	221
2026	0.05	0.06	0.38	0.54	< 0.005	0.01	< 0.005	0.02	0.01	< 0.005	0.01	—	92.2	92.2	< 0.005	< 0.005	0.01	92.6

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.	1.24	1.22	3.09	3.03	0.01	0.16	0.02	0.18	0.16	< 0.005	0.17	0.00	1,129	1,129	0.07	0.01	1.22	1,136
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.24	1.22	3.09	3.01	0.01	0.16	0.02	0.18	0.16	< 0.005	0.17	0.00	1,126	1,126	0.07	0.01	1.05	1,133

Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.19	0.27	0.44	0.60	< 0.005	0.02	0.02	0.04	0.02	< 0.005	0.03	0.00	642	642	0.05	0.01	1.12	647
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.04	0.05	0.08	0.11	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.00	106	106	0.01	< 0.005	0.18	107

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	0.03	0.03	0.02	0.23	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	57.0	57.0	< 0.005	< 0.005	0.17	57.9
Area	—	0.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	509	509	0.05	0.01	—	512
Water	—	—	—	—	—	—	—	—	—	—	—	0.00	0.01	0.01	< 0.005	< 0.005	—	0.01
Waste	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.04	1.04
Stationary	1.21	1.10	3.07	2.80	0.01	0.16	—	0.16	0.16	—	0.16	—	562	562	0.02	< 0.005	—	564
Total	1.24	1.22	3.09	3.03	0.01	0.16	0.02	0.18	0.16	< 0.005	0.17	0.00	1,129	1,129	0.07	0.01	1.22	1,136
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.03	0.03	0.02	0.21	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	54.6	54.6	< 0.005	< 0.005	< 0.005	55.4
Area	—	0.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	509	509	0.05	0.01	—	512
Water	—	—	—	—	—	—	—	—	—	—	—	0.00	0.01	0.01	< 0.005	< 0.005	—	0.01

Waste	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.04	1.04
Stationary	1.21	1.10	3.07	2.80	0.01	0.16	—	0.16	0.16	—	0.16	—	562	562	0.02	< 0.005	—	564
Total	1.24	1.22	3.09	3.01	0.01	0.16	0.02	0.18	0.16	< 0.005	0.17	0.00	1,126	1,126	0.07	0.01	1.05	1,133
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.03	0.03	0.02	0.21	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	55.3	55.3	< 0.005	< 0.005	0.08	56.1
Area	—	0.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	509	509	0.05	0.01	—	512
Water	—	—	—	—	—	—	—	—	—	—	—	0.00	0.01	0.01	< 0.005	< 0.005	—	0.01
Waste	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.04	1.04
Stationary	0.17	0.15	0.42	0.38	< 0.005	0.02	—	0.02	0.02	—	0.02	—	77.1	77.1	< 0.005	< 0.005	—	77.3
Total	0.19	0.27	0.44	0.60	< 0.005	0.02	0.02	0.04	0.02	< 0.005	0.03	0.00	642	642	0.05	0.01	1.12	647
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.01	< 0.005	< 0.005	0.04	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	9.15	9.15	< 0.005	< 0.005	0.01	9.29
Area	—	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	84.3	84.3	0.01	< 0.005	—	84.8
Water	—	—	—	—	—	—	—	—	—	—	—	0.00	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005
Waste	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.17	0.17
Stationary	0.03	0.03	0.08	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.8	12.8	< 0.005	< 0.005	—	12.8
Total	0.04	0.05	0.08	0.11	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.00	106	106	0.01	< 0.005	0.18	107

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.61	0.51	4.69	5.79	0.01	0.19	—	0.19	0.17	—	0.17	—	852	852	0.03	0.01	—	855
Demolition	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
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	0.61	0.51	4.69	5.79	0.01	0.19	—	0.19	0.17	—	0.17	—	852	852	0.03	0.01	—	855
Demolition	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
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	0.22	0.18	1.70	2.09	< 0.005	0.07	—	0.07	0.06	—	0.06	—	308	308	0.01	< 0.005	—	309
Demolition	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
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	0.04	0.03	0.31	0.38	< 0.005	0.01	—	0.01	0.01	—	0.01	—	51.0	51.0	< 0.005	< 0.005	—	51.2
Demolition	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
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	0.05	0.04	0.05	0.75	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	141	141	0.01	< 0.005	0.56	143
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.06	0.64	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	134	134	0.01	< 0.005	0.01	135
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	0.02	0.02	0.02	0.24	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	49.1	49.1	< 0.005	< 0.005	0.09	49.8
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.13	8.13	< 0.005	< 0.005	0.01	8.24
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Demolition (2026) - 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	0.44	0.37	3.32	4.15	0.01	0.11	—	0.11	0.10	—	0.10	—	634	634	0.03	0.01	—	636
Demolition	—	—	—	—	—	—	0.03	0.03	—	< 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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.19	0.24	< 0.005	0.01	—	0.01	0.01	—	0.01	—	36.5	36.5	< 0.005	< 0.005	—	36.6
Demolition	—	—	—	—	—	—	< 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	0.03	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.04	6.04	< 0.005	< 0.005	—	6.06
Demolition	—	—	—	—	—	—	< 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.03	0.03	0.03	0.48	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	102	102	< 0.005	< 0.005	0.34	103
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	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	35.6	35.6	< 0.005	0.01	0.08	37.5
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.62	5.62	< 0.005	< 0.005	0.01	5.70
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	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.05	2.05	< 0.005	< 0.005	< 0.005	2.15
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.93	0.93	< 0.005	< 0.005	< 0.005	0.94
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	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.34	0.34	< 0.005	< 0.005	< 0.005	0.36

3.5. Grading (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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.69	1.42	13.8	14.6	0.02	0.64	—	0.64	0.59	—	0.59	—	2,294	2,294	0.09	0.02	—	2,302
Dust From Material Movement	—	—	—	—	—	—	4.92	4.92	—	2.53	2.53	—	—	—	—	—	—	—
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	1.69	1.42	13.8	14.6	0.02	0.64	—	0.64	0.59	—	0.59	—	2,294	2,294	0.09	0.02	—	2,302
Dust From Material Movement	—	—	—	—	—	—	4.92	4.92	—	2.53	2.53	—	—	—	—	—	—	—
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	0.40	0.33	3.24	3.42	< 0.005	0.15	—	0.15	0.14	—	0.14	—	539	539	0.02	< 0.005	—	541
Dust From Material Movement	—	—	—	—	—	—	1.16	1.16	—	0.59	0.59	—	—	—	—	—	—	—
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	0.07	0.06	0.59	0.62	< 0.005	0.03	—	0.03	0.03	—	0.03	—	89.2	89.2	< 0.005	< 0.005	—	89.5
Dust From Material Movement	—	—	—	—	—	—	0.21	0.21	—	0.11	0.11	—	—	—	—	—	—	—
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	0.06	0.06	0.06	0.94	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	176	176	0.01	0.01	0.70	179

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	0.15	0.04	2.46	0.95	0.01	0.02	0.52	0.54	0.02	0.14	0.17	—	1,969	1,969	0.11	0.32	4.52	2,070
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.07	0.80	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	167	167	0.01	0.01	0.02	169
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	0.15	0.04	2.56	0.95	0.01	0.02	0.52	0.54	0.02	0.14	0.17	—	1,969	1,969	0.11	0.32	0.12	2,066
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.02	0.20	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	39.9	39.9	< 0.005	< 0.005	0.07	40.4
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	0.04	0.01	0.61	0.22	< 0.005	0.01	0.12	0.13	0.01	0.03	0.04	—	462	462	0.02	0.07	0.46	486
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.60	6.60	< 0.005	< 0.005	0.01	6.69
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	0.01	< 0.005	0.11	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	76.6	76.6	< 0.005	0.01	0.08	80.4

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	1.55	1.30	12.3	13.9	0.02	0.55	—	0.55	0.50	—	0.50	—	2,295	2,295	0.09	0.02	—	2,303

Dust From Material Movement	—	—	—	—	—	—	4.92	4.92	—	2.53	2.53	—	—	—	—	—	—	—
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	0.18	0.15	1.42	1.60	< 0.005	0.06	—	0.06	0.06	—	0.06	—	265	265	0.01	< 0.005	—	266
Dust From Material Movement	—	—	—	—	—	—	0.57	0.57	—	0.29	0.29	—	—	—	—	—	—	—
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	0.03	0.03	0.26	0.29	< 0.005	0.01	—	0.01	0.01	—	0.01	—	43.9	43.9	< 0.005	< 0.005	—	44.0
Dust From Material Movement	—	—	—	—	—	—	0.10	0.10	—	0.05	0.05	—	—	—	—	—	—	—
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	0.06	0.05	0.06	0.74	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	164	164	0.01	0.01	0.02	166
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	0.15	0.03	2.47	0.93	0.01	0.02	0.52	0.54	0.02	0.14	0.17	—	1,935	1,935	0.11	0.30	0.12	2,028

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	19.2	19.2	< 0.005	< 0.005	0.03	19.5
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	0.02	< 0.005	0.29	0.11	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	223	223	0.01	0.04	0.22	234
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.18	3.18	< 0.005	< 0.005	0.01	3.22
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	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	37.0	37.0	< 0.005	0.01	0.04	38.8

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	0.62	0.52	5.14	6.94	0.01	0.22	—	0.22	0.20	—	0.20	—	1,305	1,305	0.05	0.01	—	1,309
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	0.62	0.52	5.14	6.94	0.01	0.22	—	0.22	0.20	—	0.20	—	1,305	1,305	0.05	0.01	—	1,309
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	0.37	0.31	3.09	4.17	0.01	0.13	—	0.13	0.12	—	0.12	—	784	784	0.03	0.01	—	787
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	0.07	0.06	0.56	0.76	< 0.005	0.02	—	0.02	0.02	—	0.02	—	130	130	0.01	< 0.005	—	130
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	0.01	0.01	0.01	0.12	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	23.2	23.2	< 0.005	< 0.005	0.09	23.6
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	20.8	20.8	< 0.005	< 0.005	0.06	21.7
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	22.0	22.0	< 0.005	< 0.005	< 0.005	22.3
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	20.8	20.8	< 0.005	< 0.005	< 0.005	21.7
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	13.4	13.4	< 0.005	< 0.005	0.02	13.6
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12.5	12.5	< 0.005	< 0.005	0.01	13.0
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	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.22	2.22	< 0.005	< 0.005	< 0.005	2.25
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.07	2.07	< 0.005	< 0.005	< 0.005	2.16
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. Building Construction (2026) - 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	0.59	0.49	4.81	6.91	0.01	0.19	—	0.19	0.17	—	0.17	—	1,304	1,304	0.05	0.01	—	1,309
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	0.59	0.49	4.81	6.91	0.01	0.19	—	0.19	0.17	—	0.17	—	1,304	1,304	0.05	0.01	—	1,309
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	0.21	0.17	1.70	2.45	< 0.005	0.07	—	0.07	0.06	—	0.06	—	462	462	0.02	< 0.005	—	464
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	0.04	0.03	0.31	0.45	< 0.005	0.01	—	0.01	0.01	—	0.01	—	76.5	76.5	< 0.005	< 0.005	—	76.8
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	0.01	0.01	0.01	0.11	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	22.8	22.8	< 0.005	< 0.005	0.08	23.1
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	20.4	20.4	< 0.005	< 0.005	0.06	21.4
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	0.01	0.01	0.01	0.09	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	21.6	21.6	< 0.005	< 0.005	< 0.005	21.8
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	20.5	20.5	< 0.005	< 0.005	< 0.005	21.3
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	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.76	7.76	< 0.005	< 0.005	0.01	7.86
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.24	7.24	< 0.005	< 0.005	0.01	7.57
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	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.28	1.28	< 0.005	< 0.005	< 0.005	1.30
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.20	1.20	< 0.005	< 0.005	< 0.005	1.25
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. Paving (2026) - 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	0.59	0.49	4.24	5.30	0.01	0.18	—	0.18	0.16	—	0.16	—	823	823	0.03	0.01	—	826
Paving	—	0.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.13	0.16	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	24.8	24.8	< 0.005	< 0.005	—	24.9
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	—	4.11	4.11	< 0.005	< 0.005	—	4.12
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.07	1.13	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	237	237	0.01	0.01	0.80	241
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.87	6.87	< 0.005	< 0.005	0.01	6.97
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	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.14	1.14	< 0.005	< 0.005	< 0.005	1.15
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

3.15. Architectural Coating (2026) - 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	0.15	0.12	0.86	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	3.62	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.02	4.02	< 0.005	< 0.005	—	4.04
Architectural Coatings	—	0.11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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	—	0.67	0.67	< 0.005	< 0.005	—	0.67
Architectural Coatings	—	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.55	4.55	< 0.005	< 0.005	0.02	4.62
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	—	0.13	0.13	< 0.005	< 0.005	< 0.005	0.13
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	—	0.02	0.02	< 0.005	< 0.005	< 0.005	0.02
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	0.03	0.03	0.02	0.23	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	57.0	57.0	< 0.005	< 0.005	0.17	57.9
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	0.03	0.03	0.02	0.23	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	57.0	57.0	< 0.005	< 0.005	0.17	57.9
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	0.03	0.03	0.02	0.21	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	54.6	54.6	< 0.005	< 0.005	< 0.005	55.4
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	0.03	0.03	0.02	0.21	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	54.6	54.6	< 0.005	< 0.005	< 0.005	55.4
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	0.01	< 0.005	< 0.005	0.04	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	9.15	9.15	< 0.005	< 0.005	0.01	9.29
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	0.01	< 0.005	< 0.005	0.04	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	9.15	9.15	< 0.005	< 0.005	0.01	9.29

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	501	501	0.05	0.01	—	504
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	8.31	8.31	< 0.005	< 0.005	—	8.36
Total	—	—	—	—	—	—	—	—	—	—	—	—	509	509	0.05	0.01	—	512
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	501	501	0.05	0.01	—	504
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	8.31	8.31	< 0.005	< 0.005	—	8.36
Total	—	—	—	—	—	—	—	—	—	—	—	—	509	509	0.05	0.01	—	512
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	83.0	83.0	0.01	< 0.005	—	83.4
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	1.38	1.38	< 0.005	< 0.005	—	1.38
Total	—	—	—	—	—	—	—	—	—	—	—	—	84.3	84.3	0.01	< 0.005	—	84.8

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
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	0.00	0.00	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
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	0.00	0.00	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.3. Area Emissions by Source

4.3.2. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	0.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	0.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	0.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	0.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.4. Water Emissions by Land Use

4.4.2. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	0.00	0.01	0.01	< 0.005	< 0.005	—	0.01
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	0.00	0.01	0.01	< 0.005	< 0.005	—	0.01
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	0.00	0.01	0.01	< 0.005	< 0.005	—	0.01
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	0.00	0.01	0.01	< 0.005	< 0.005	—	0.01
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	0.00	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	0.00	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005

4.5. Waste Emissions by Land Use

4.5.2. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.04	1.04
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.04	1.04
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.04	1.04
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.04	1.04
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.17	0.17
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.17	0.17

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	1.21	1.10	3.07	2.80	0.01	0.16	—	0.16	0.16	—	0.16	—	562	562	0.02	< 0.005	—	564
Total	1.21	1.10	3.07	2.80	0.01	0.16	—	0.16	0.16	—	0.16	—	562	562	0.02	< 0.005	—	564
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Emergency	1.21	1.10	3.07	2.80	0.01	0.16	—	0.16	0.16	—	0.16	—	562	562	0.02	< 0.005	—	564
Total	1.21	1.10	3.07	2.80	0.01	0.16	—	0.16	0.16	—	0.16	—	562	562	0.02	< 0.005	—	564
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.03	0.03	0.08	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.8	12.8	< 0.005	< 0.005	—	12.8
Total	0.03	0.03	0.08	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.8	12.8	< 0.005	< 0.005	—	12.8

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Remove	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	3/1/2024	9/2/2024	5.00	132	—
Demolition 2	Demolition	7/14/2026	8/11/2026	5.00	21.0	—
Grading	Grading	9/03/2024	2/28/2025	5.00	129	—
Building Construction	Building Construction	2/28/2025	6/30/2026	5.00	348	—
Paving	Paving	8/12/2026	8/26/2026	5.00	11.0	—
Architectural Coating	Architectural Coating	6/29/2026	7/13/2026	5.00	11.0	—

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	1.00	367	0.40
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	2.00	6.00	84.0	0.37
Grading	Concrete/Industrial Saws	Diesel	Average	1.00	6.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	6.00	367	0.40
Grading	Trenchers	Diesel	Average	1.00	7.00	84.0	0.37

Building Construction	Cranes	Diesel	Average	1.00	4.00	367	0.29
Building Construction	Forklifts	Diesel	Average	2.00	6.00	82.0	0.20
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Paving	Cement and Mortar Mixers	Diesel	Average	4.00	6.00	10.0	0.56
Paving	Pavers	Diesel	Average	1.00	7.00	81.0	0.42
Paving	Rollers	Diesel	Average	1.00	7.00	36.0	0.38
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	7.00	84.0	0.37
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48
Demolition 2	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition 2	Rubber Tired Dozers	Diesel	Average	1.00	1.00	367	0.40
Demolition 2	Tractors/Loaders/Backhoes	Diesel	Average	1.00	6.00	84.0	0.37
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37

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	10.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	0.00	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	12.5	18.5	LDA,LDT1,LDT2

Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	27.9	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	1.68	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	0.66	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	17.5	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	0.34	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
Demolition 2	—	—	—	—
Demolition 2	Worker	7.50	18.5	LDA,LDT1,LDT2
Demolition 2	Vendor	—	10.2	HHDT,MHDT
Demolition 2	Hauling	0.52	20.0	HHDT
Demolition 2	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

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	0.00	0.00	6,000	2,000	600

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 (Building Square Footage)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	0.00	—
Demolition 2	0.00	0.00	0.00	885	—
Grading	—	28,810	96.8	0.00	—
Paving	0.00	0.00	0.00	0.00	0.23

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
General Light Industry	0.00	0%
Parking Lot	0.23	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	349	0.03	< 0.005
2026	0.00	346	0.03	< 0.005
2025	0.00	349	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
General Light Industry	8.00	8.00	8.00	2,920	73.8	73.8	73.8	26,948
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

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)
0	0.00	6,000	2,000	600

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)
General Light Industry	528,264	346	0.0330	0.0040	0.00
Parking Lot	8,760	346	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)
General Light Industry	0.00	2,057
Parking Lot	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
General Light Industry	0.00	0.00
Parking Lot	0.00	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

General Light Industry	Other commercial A/C and heat pumps	R-410A	2,088	0.30	4.00	4.00	18.0

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
Emergency Generator	Diesel	1.00	1.00	50.0	670	0.73

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)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	5.08	annual days of extreme heat
Extreme Precipitation	4.20	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A

Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	24.9
AQ-PM	78.5
AQ-DPM	48.9
Drinking Water	38.4
Lead Risk Housing	69.4
Pesticides	0.00
Toxic Releases	99.3
Traffic	63.2
Effect Indicators	—
CleanUp Sites	96.2
Groundwater	76.0
Haz Waste Facilities/Generators	65.2
Impaired Water Bodies	96.3
Solid Waste	88.9

Sensitive Population	—
Asthma	76.5
Cardio-vascular	53.8
Low Birth Weights	93.1
Socioeconomic Factor Indicators	—
Education	60.6
Housing	93.3
Linguistic	83.1
Poverty	62.5
Unemployment	59.4

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	29.02604902
Employed	50.78916977
Median HI	27.39638137
Education	—
Bachelor's or higher	41.26780444
High school enrollment	100
Preschool enrollment	95.7141024
Transportation	—
Auto Access	63.41588605
Active commuting	42.55100731
Social	—
2-parent households	13.16566149

Voting	38.1239574
Neighborhood	—
Alcohol availability	16.15552419
Park access	81.35506224
Retail density	91.73617349
Supermarket access	79.26344155
Tree canopy	26.4724753
Housing	—
Homeownership	49.06967792
Housing habitability	22.40472219
Low-inc homeowner severe housing cost burden	9.816501989
Low-inc renter severe housing cost burden	43.19260875
Uncrowded housing	27.62735789
Health Outcomes	—
Insured adults	13.37097395
Arthritis	0.0
Asthma ER Admissions	24.5
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	50.3
Cognitively Disabled	82.5
Physically Disabled	39.7
Heart Attack ER Admissions	42.5

Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	19.6
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	14.1
Elderly	16.2
English Speaking	18.1
Foreign-born	73.7
Outdoor Workers	63.3
Climate Change Adaptive Capacity	—
Impervious Surface Cover	10.9
Traffic Density	61.5
Traffic Access	87.4
Other Indices	—
Hardship	70.9
Other Decision Support	—
2016 Voting	13.6

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	95.0
Healthy Places Index Score for Project Location (b)	41.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	Data provided by applicant
Construction: Off-Road Equipment	Data provided by applicant
Construction: Dust From Material Movement	Data provided by applicant
Operations: Vehicle Data	Assumes one Pumping Plant operator per day
Operations: Energy Use	Electricity adjusted based on applicant provided information.
Operations: Water and Waste Water	Assumes no indoor water needed for the Plant. Outdoor water use left at default value.
Operations: Solid Waste	Solid Waste Data adjusted to represent Pumping Plant land use.

Localized Significance Thresholds

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (feet)
3	1	81	266

Source Receptor Area **Southwest Coastal LA County**
Distance (meters) 81

	NOx	CO	PM10	PM2.5
Construction	**102**	**1,016**	**23**	**7**
Operations	**102**	**1,016**	**6**	**3**

	Acres	25	50	100	200	500
NOx	1	91	93	107	139	218
	1	91	93	107	139	218
		91	93	107	139	218
CO	1	664	785	1156	2228	7269
	1	664	785	1156	2228	7269
		664	785	1156	2228	7269
PM10 for Construction	1	5	14	28	56	140
	1	5	14	28	56	140
		5	14	28	56	140
PM2.5 for Construction	1	3	5	9	21	75
	1	3	5	9	21	75
		3	5	9	21	75
PM10 for Operations	1	1	4	7	14	34
	1	1	4	7	14	34
		1	4	7	14	34
PM2.5 for Operations	1	1	2	3	5	18
	1	1	2	3	5	18
		1	2	3	5	18

1.00 Acres

	25	50	100	200	500
NOx	91	93	107	139	218
CO	664	785	1156	2228	7269
PM10	5	14	28	56	140
PM2.5	3	5	9	21	75

Acre Below		Acre Above	
SRA No.	Acres	SRA No.	Acres
3	1	3	1
Distance Increment Below			
50			
Distance Increment Above			
100			

	NOx	CO	PM10	PM2.5
Area	0.121	8.980	0.051	0.051
Energy	0.541	0.230	0.044	0.044
Mobile	0.104	1.067	0.290	0.078
Total	0.8	10.3	0.4	0.2

	NOx	CO	PM10	PM2.5
Operation	1	10	0	0
LST Thresholds	102	1016	6	3
Amount Exceeding Thresholds	-101	-1005	-5	-2

Total Feet Traveled onsite	Percent of M	-		5%

	NOx	CO	PM10	PM2.5
Mobile-Source Emissions (highest)	2.08	21.3365	5.7937	1.5654
% Mobile Source Emissions onsite	0.1	1.1	0.3	0.1

1) The off-road equipment list (including type of equipment, horsepower, and hours of operation) assumed for the day of construction activity with maximum emissions
2) The maximum number of acres disturbed on the peak day using the equipment list from above and the following table from the CalEEMod appendix

Equipment Type	Acres/8hr-day
Crawler Tractors	0.5
Graders	0.5
Rubber Tired Dozers	0.5
Scrapers	1

3) Any emission control devices added onto off-road equipment
4) Specific dust suppression techniques used on the day of construction activity with maximum emissions

APPENDIX B

NOISE CALCULATIONS

Roadway Construction Noise Model (RCNM),Version 1.1

Report date ########
Case Descr Architectural Coatings

---- Receptor #1 ----

	Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Multifamily	Residential	70	50	50

			Equipment			
			Spec	Actual	Receptor	Estimated
	Impact		Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Compressor (air)	No	40		77.7	270	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Compressor (air)	67	63	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	74.9	69.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

	Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Church	Residential	70	50	50

			Equipment			
			Spec	Actual	Receptor	Estimated
	Impact		Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Compressor (air)	No	40		77.7	390	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Compressor (air)	59.8	55.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	59.8	55.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date ########
Case Descr Grading

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Multifamil	Residential	70	50	50

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Crane	No	16		80.6	270	0
Backhoe	No	40		77.6	270	0
Backhoe	No	40		77.6	270	0
Backhoe	No	40		77.6	270	0
Backhoe	No	40		77.6	270	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Crane	65.9	57.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	62.9	58.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	62.9	58.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	62.9	58.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	62.9	58.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	65.9	65.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Church	Residential	70	50	50

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Crane	No	16		80.6	390	0
Backhoe	No	40		77.6	390	0
Backhoe	No	40		77.6	390	0
Backhoe	No	40		77.6	390	0
Backhoe	No	40		77.6	390	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Crane	62.7	54.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	59.7	55.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	59.7	55.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	59.7	55.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	59.7	55.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	62.7	62.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report dat ########
Case Descr Demolition Onsite Buildings

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Multifamil	Residential	70	50	50

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Dozer	No	40		81.7	270	0
Front End Loader	No	40		79.1	270	0
Concrete Saw	No	20		89.6	270	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Dozer	67	63	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	64.5	60.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Concrete Saw	74.9	67.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	74.9	69.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Church	Residential	70	50	50

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Dozer	No	40		81.7	390	0
Front End Loader	No	40		79.1	390	0
Concrete Saw	No	20		89.6	390	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Dozer	63.8	59.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	61.3	57.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Concrete Saw	71.7	64.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	71.7	66.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report dat ########
Case Descr Demolition

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Multifamil	Residential	70	50	50

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Dozer	No	40		81.7	270	0
Front End Loader	No	40		79.1	270	0
Backhoe	No	40		77.6	270	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Dozer	67	63	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	64.5	60.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	62.9	58.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	67	65.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Church	Residential	70	50	50

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Dozer	No	40		81.7	390	0
Front End Loader	No	40		79.1	390	0
Backhoe	No	40		77.6	390	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Dozer	63.8	59.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	61.3	57.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	59.7	55.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	63.8	62.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report dat ########
Case Descr Grading

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Multifamil	Residential	70	50	50

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Dozer	No	40		81.7	270	0
Front End Loader	No	40		79.1	270	0
Backhoe	No	40		77.6	270	0
Concrete Saw	No	20		89.6	270	0
Backhoe	No	40		77.6	270	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Dozer	67	63	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	64.5	60.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	62.9	58.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Concrete Saw	74.9	67.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	62.9	58.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	74.9	70.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Church	Residential	70	50	50

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Dozer	No	40		81.7	390	0
Front End Loader	No	40		79.1	390	0
Backhoe	No	40		77.6	390	0
Concrete Saw	No	20		89.6	390	0
Backhoe	No	40		77.6	390	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Dozer	63.8	59.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	61.3	57.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	59.7	55.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Concrete Saw	71.7	64.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	59.7	55.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	71.7	67.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Construction Generated Vibration

West - Residential Uses		Closest Distance (feet):	270
	Approximate RMS a	Approximate RMS	
	66	73.000	
Equipment	inch/second	inch/second	
Vibratory roller	0.21	0.006	
Caisson Drill	0.089	0.003	
Large bulldozer	0.089	0.003	
Small bulldozer	0.003	0.000	
Jackhammer	0.035	0.001	
Loaded trucks	0.076	0.002	
	Criteria	0.300	
West - Church Uses		Closest Distance (feet):	390
	Approximate RMS a	Approximate RMS	
	Velocity at 25 ft,	Velocity Level,	
Equipment	inch/second	inch/second	
Vibratory roller	0.21	0.003	
Caisson Drill	0.089	0.001	
Large bulldozer	0.089	0.001	
Small bulldozer	0.003	0.000	
Jackhammer	0.035	0.001	
Loaded trucks	0.076	0.001	
	Criteria	0.300	
West - Industrial Uses		Closest Distance (feet):	15
	Approximate RMS a	Approximate RMS	
	Velocity at 25 ft,	Velocity Level,	
Equipment	inch/second	inch/second	
Vibratory roller	0.21	0.452	
Caisson Drill	0.089	0.191	
Large bulldozer	0.089	0.191	
Small bulldozer	0.003	0.006	
Jackhammer	0.035	0.075	
Loaded trucks	0.076	0.164	
	Criteria	0.500	
North - Industrial Uses		Closest Distance (feet):	8
	Approximate RMS a	Approximate RMS	
	Velocity at 25 ft,	Velocity Level,	
Equipment	inch/second	inch/second	
Vibratory roller	0.21	1.160	
Caisson Drill	0.089	0.492	
Large bulldozer	0.089	0.492	
Small bulldozer	0.003	0.017	
Jackhammer	0.035	0.193	
Loaded trucks	0.076	0.420	
	Criteria	0.500	
East - Industrial Uses		Closest Distance (feet):	15
	Approximate RMS a	Approximate RMS	
	Velocity at 25 ft,	Velocity Level,	
Equipment	inch/second	inch/second	
Vibratory roller	0.21	0.452	
Caisson Drill	0.089	0.191	
Large bulldozer	0.089	0.191	
Small bulldozer	0.003	0.006	
Jackhammer	0.035	0.075	
Loaded trucks	0.076	0.164	
	Criteria	0.500	

Based on distance to nearest structure

[1.] Determined based on use of jackhammers or pneumatic hammers that may be used for pavement demolition at a distance of 25 feet

Notes: RMS velocity calculated from vibration level (VdB) using the reference of one microinch/second.

Source: Based on methodology from the United States Department of Transportation Federal Transit Administration, *Transit Noise and Vibration Impact Assessment* (2006).

SANITATION DISTRICTS OF LOS ANGELES COUNTY

FINAL MITIGATED NEGATIVE DECLARATION

Name of Project: **Gardena Pumping Plant Upgrades**

Project Location: The County Sanitation District No. 5 of Los Angeles County ("District") as the Lead Agency has prepared an Initial Study/Mitigated Negative Declaration ("IS/MND") for the Gardena Pumping Plant Upgrades project ("proposed project") pursuant to the California Environmental Quality Act ("CEQA"). The proposed project is located in the City of Gardena. The proposed project is predominantly surrounded by commercial uses with some residential uses.

Entity or Person Undertaking Project: County Sanitation District No. 5 of Los Angeles County

Project Description: The proposed project involves consolidating the East Plant and West Plant into one new pumping plant adjacent to the existing location. The proposed project involves replacement of the plant superstructure, replacement of pumps, deep excavation of the dry/wet well, replacement of the diesel-powered back-up generator, improvement of force mains and cross connections, upgrading of associated equipment, and demolition of the existing plant.

Findings: The proposed project will not have a significant effect on the environment. On June 19, 2019, on the basis of the whole record, including the IS/MND and all comments received, the Board of Directors of the District made findings that there was no substantial evidence that the proposed project would have a significant effect on the environment, and that this Final IS/MND reflects the independent judgment and analysis of the District.

IS/MND: An IS/MND of this proposed project was undertaken and prepared in accordance with the Local Procedures Implementing the California Environmental Quality Act (CEQA) as adopted by the District for the purpose of ascertaining whether this proposed project might have a significant effect on the environment. A copy of the IS/MND is attached hereto and incorporated herein by reference. The IS/MND documents the reasons supporting the above-described findings.

Mitigation Measures: The proposed project incorporates mitigation measures to avoid potentially significant impacts as described in the Final IS/MND and the Mitigation Monitoring and Reporting Program.

Custodian: The Chief Engineer and General Manager, or his or her designee, will be the custodian of records for the documents and records of proceedings on which this decision is based. The documents are on file at the Joint Administrative Offices of the District, located at 1955 Workman Mill Road, Whittier, CA 90601.

Date: June 21, 2019

Grace Robinson Hyde
Chief Engineer and General Manager

DOC 5167814

FINAL

Gardena Pumping Plant Upgrades
Initial Study/Mitigated Negative Declaration

Prepared for:

County Sanitation District No. 5 of Los Angeles County
1955 Workman Mill Road
Whittier, California 90601
Contact: Debra Bogdanoff, PE, BCEE

Prepared by:

DUDEK
27372 Calle Arroyo
San Juan Capistrano, California 92675
Contact: Rachel Struglia, PhD, AICP

MAY 2019

Printed on 30% post-consumer recycled material.

Table of Contents

SECTION			PAGE NO.
ACRONYMS AND ABBREVIATIONS			V
1	INTRODUCTION		1
	1.1	Project Overview	1
	1.2	California Environmental Quality Act Compliance	1
	1.3	Document Organization	1
	1.4	Preparation and Processing of this CEQA Document	2
	1.5	Public Review Process	2
2	PROJECT DESCRIPTION		3
	2.1	Project Location	3
	2.2	Environmental Setting	3
	2.3	Proposed Project	13
	2.4	Project Construction	14
	2.5	Project Approvals	14
3	INITIAL STUDY CHECKLIST		21
	3.1	Aesthetics	33
	3.2	Agriculture and Forestry Resources	35
	3.3	Air Quality	36
	3.4	Biological Resources	47
	3.5	Cultural Resources	49
	3.6	Energy	58
	3.7	Geology and Soils	59
	3.8	Greenhouse Gas Emissions	63
	3.9	Hazards and Hazardous Materials	70
	3.10	Hydrology and Water Quality	78
	3.11	Land Use and Planning	80
	3.12	Mineral Resources	81
	3.13	Noise	81
	3.14	Population and Housing	91
	3.15	Public Services	92
	3.16	Recreation	94
	3.17	Transportation	94
	3.18	Tribal Cultural Resources	100
	3.19	Utilities and Service Systems	103
	3.20	Wildfire	105
	3.21	Mandatory Findings of Significance	106

4 REPONSES TO COMMENTS 113
4.1 Comment Letter A 115

5 MODIFICATIONS TO THE DRAFT IS/MND 117

6 MITIGATION MONITORING AND REPORTING PROGRAM 119
6.1 Introduction 119
6.2 Mitigation Monitoring and Reporting Program Checklist 120

7 REFERENCES AND PREPARERS 127
7.1 References Cited 127
7.2 List of Preparers 131

APPENDICES

A Air Quality and Greenhouse Gas Emissions
B Cultural Resources Technical Report
C Preliminary Environmental Evaluation
D Noise Measurement Data

FIGURES

1 Project Location 5
2 Surrounding Land Uses 7
3 Existing Gardena Pumping Plant 9
4 Existing Site Layout 11
6 Preliminary Site Layout 19
7 Potential Environmental Concerns 73
8 Noise Measurement Locations 85

TABLES

1 Flow Capacity 4
2 SCAQMD Air Quality Significance Thresholds 38
3 Construction Workers, Vendor Trips, and Equipment Use per Day 39
4 Estimated Maximum Daily Construction Criteria Air Pollutant Emissions 40
5 Estimated Maximum Daily Operational Criteria Air Pollutant Emissions 42
6 Construction Localized Significance Thresholds Analysis 44
7 Estimated Annual Construction GHG Emissions 67
8 Estimated Annual Operational GHG Emissions 68
9 Measured Noise Levels 82
10 City of Gardena Exterior and Interior Noise Limits (dBA) 83
11 City of Torrance Interior and Exterior Land Use Compatibility Noise Standards 87

12 City of Torrance Stationary Noise Standards 87
13 Construction Equipment Maximum Noise Levels 88
14 Construction Noise Model Results Summary 90
15 Peak Construction Phase Trip Generation 97
16 Comment Letter Summary 113
17 Mitigation Monitoring and Reporting Program 120

INTENTIONALLY LEFT BLANK

Acronyms and Abbreviations

Acronym/Abbreviation	Definition
AB	Assembly Bill
AQMP	air quality management plan
BMPs	best management practices
CAAQS	California Ambient Air Quality Standards
CalEEMod	California Emissions Estimator Model
Caltrans	California Department of Transportation
CAP	climate action plan
CARB	California Air Resources Board
CBC	California Building Code
CCR	California Code of Regulations
CEQA	California Environmental Quality Act
CH_4	methane
CHRIS	California Historical Resources Information System
City	City of Gardena
CMP	congestion management plan
CNEL	Community Noise Equivalent Level
CO	carbon monoxide
CO_2	carbon dioxide
CO_2e	carbon dioxide equivalent
County	Los Angeles County
CRHR	California Register of Historical Resources
CVOC	chlorinated volatile organic compound
dB	decibel
dBA	A-weighted decibel
District	County Sanitation District No. 5 of Los Angeles County
Districts	County Sanitation Districts of Los Angeles County
DOC	California Department of Conservation
East Plant	Gardena East Pumping Plant
EIR	environmental impact report
EOP	emergency operations plan
FHWA	Federal Highway Administration
gpm	gallons per minute
GWP	global warming potential
HMMCP	hazardous materials management/contingency plan
I-	Interstate
IPCC	Intergovernmental Panel on Climate Change
IS	initial study
LACM	Natural History Museum of Los Angeles County
L_{eq}	energy equivalent or energy average noise level
LST	localized significance threshold
MND	mitigated negative declaration

Acronym/Abbreviation	Definition
mph	miles per hour
MT	metric tons
N_2O	nitrous oxide
NAAQS	National Ambient Air Quality Standards
NAHC	Native American Heritage Commission
NO_2	nitrogen dioxide
NO_X	oxides of nitrogen
NPDES	National Pollutant Discharge Elimination System
NRHP	National Register of Historic Places
O_3	ozone
OPR	California Governor's Office of Planning and Research
OSHA	Occupational Safety and Health Administration
PCE	passenger-car equivalent
Plant	Gardena Pumping Plant; East and West Plant, collectively
$PM_{2.5}$	fine particulate matter; particulate matter with an aerodynamic diameter less than or equal to 2.5 microns
PM_{10}	course particulate matter; particulate matter with an aerodynamic diameter less than or equal to 10 microns
RCNM	Roadway Construction Noise Model
RTP/SCS	Regional Transportation Plan/Sustainable Communities Strategy
SB	Senate Bill
SBCCOG	South Bay Cities Council of Governments
SCAB	South Coast Air Basin
SCADA	Supervisory Control and Data Acquisition
SCAQMD	South Coast Air Quality Management District
SCE	Southern California Edison
SO_X	sulfur oxides
SR-	State Route
TAC	toxic air contaminant
UST	underground storage tank
VMT	vehicle miles traveled
VOC	volatile organic compound
West Plant	Gardena West Pumping Plant

1 Introduction

1.1 Project Overview

The County Sanitation District No. 5 of Los Angeles County (District) owns and operates the Gardena Pumping Plant (Plant), which receives wastewater flows from throughout Los Angeles County (County). The Gardena Pumping Plant is composed of two plants, constructed side by side within two brick buildings: the Gardena East Pumping Plant (East Plant) and the Gardena West Pumping Plant (West Plant). The two plants receive flows from different sewers. District staff evaluated the functionality of the Gardena Pumping Plant and identified a number of safety, reliability, and maintenance issues with the existing facilities. To address these issues, staff proposes a project to consolidate the East Plant and West Plant into one new pumping plant near their existing location. The proposed Gardena Pumping Plant Upgrades (proposed project) involves the replacement of the plants' superstructure, the replacement of pumps, deep excavation for a new dry/wet well, improvement of force mains and cross connections, and upgrading associated equipment. The proposed project would also include decommissioning and demolition of the existing facility.

1.2 California Environmental Quality Act Compliance

The California Environmental Quality Act (CEQA) (California Public Resources Code section 21000 et seq.) is the main statutory basis for the environmental review of projects in California. CEQA emphasizes the need for public disclosure and identifying and mitigating any environmental impacts associated with proposed projects. Unless a project falls within exemptions set forth in CEQA or the CEQA Guidelines (14 CCR 15000 et seq.), it requires environmental review under CEQA. The proposed project does not fall within any exemptions set forth in CEQA or the CEQA Guidelines.

The District, as lead agency, has prepared an initial study (IS) to evaluate potential environmental effects of the proposed project and to determine whether an environmental impact report (EIR), a negative declaration, or a mitigated negative declaration (MND) should be prepared. CEQA Guidelines Section 15070(b) provides that an MND is prepared for a project when an IS has identified potentially significant effects on the environment, but (1) revisions to the project's plans or proposals made or agreed to by the applicant before release of an MND for public review would avoid or mitigate environmental effects to a point where no significant effect on the environment would occur, and (2) there is no substantial evidence in the whole record before the public agency that the project, as revised, may have a significant effect on the environment.

The IS determined that, while the implementation of the proposed project could cause some potentially significant impacts on the environment, all of the project's potentially significant impacts would be reduced to less-than-significant levels by the implementation of mitigation measures. Therefore, the District has prepared an MND for the proposed project.

1.3 Document Organization

This MND is composed of four chapters:

- Chapter 1, Introduction, provides a general overview of the proposed project, CEQA requirements related to the project, the organization of this MND, and documents incorporated by reference.

- Chapter 2, Project Description, includes a description of the proposed project's location, environmental setting, project components, construction, and required approvals.
- Chapter 3, Initial Study Checklist, presents the CEQA initial study checklist, which provides an assessment of potential environmental impacts and identifies mitigation measures that would reduce potentially significant impacts to less-than-significant levels.
- Chapter 4, References and Preparers, provides citations for the sources referenced in this document and includes a list of consultants involved in preparing the MND.

The MND also includes several appendices that contain technical data related to air quality and greenhouse gas (GHG) emissions, cultural resources, hazards and hazardous materials, and noise.

1.4 Preparation and Processing of this CEQA Document

The District directed and supervised the preparation of this IS/MND. Although prepared with assistance from the consulting firm Dudek, the content contained within and the conclusions drawn by this IS/MND reflect the independent judgment of the District.

1.5 Public Review Process

In accordance with CEQA, the District made a good-faith effort during preparation of this MND to contact affected agencies, organizations, and persons who may have interest in the proposed project. As required by CEQA, the District shall provide adequate time for other public agencies and members of the public to review and comment on the CEQA document that has been prepared. This IS/MND has been made available to members of the public, agencies, and interested parties for a 20-day public review period in accordance with CEQA Guidelines Section 15105. Public review of the IS/MND is intended to focus "on the proposed finding that the project will not have a significant effect on the environment. If persons and public agencies believe that the project may have a significant effect, they should: (1) identify the specific effect, (2) explain why they believe the effect would occur, and (3) explain why they believe the effect would be significant" (14 CCR 15204).

This IS/MND is available for review during the 20-day public review period at the following locations.

In-Person

County Sanitation District of Los Angeles County
1955 Workman Mill Road
Whittier, California

Online

https://lacsd.org/residents/documents_for_public_review.asp

2 Project Description

2.1 Project Location

The Gardena Pumping Plant is located in the southern portion of the City of Gardena (City), adjacent to the City of Torrance. The project site is in the South Bay region of Los Angeles County, between the cities of Torrance and Carson. Generally, the project site is located northwest of the intersection of Interstate (I-) 405 and State Route (SR-) 110 and west of the Dominguez Channel. Specifically, the project site is located at 1919, 1923, and 1931 Artesia Boulevard, Gardena, California 90274 (Figure 1, Project Location).

Surrounding Land Uses

The project site is located within a highly developed, urbanized portion of the City. The area surrounding the project site is a predominantly commercial area with some residential uses. To the north of project site is a commercial auto-body shop with an associated surface parking lot to the east. To the west are several commercial buildings, and to the west of Gramercy Place are residential uses. To the south is the City of Torrance, Artesia Boulevard, surface parking lots, a construction company building, and Momin Lodge, an Islamic Center. To the east, beyond the Dominguez Channel, are other auto-related commercial buildings (Figure 2, Surrounding Land Uses).

2.2 Environmental Setting

Districts' Wastewater Collection System

The District is part of a confederation of sanitation districts, the County Sanitation Districts of Los Angeles County (Districts) that provides wastewater management for approximately 5.6 million people in the County. The Districts' service area covers approximately 850 square miles and encompasses 78 cities and unincorporated Los Angeles County. That area includes approximately 9,500 miles of sewers that are owned and operated by the cities and County, which are tributary to the Districts' wastewater collection system. The Districts own, operate, and maintain approximately 1,400 miles of sewers, ranging from 8 to 144 inches in diameter, that convey approximately 500 million gallons per day of wastewater to 11 wastewater treatment plants. Included in the Districts' wastewater collection system are 48 active pumping plants located throughout the County. In general, the sewerage system is designed to operate by conveying wastewater flow by gravity. Pumping plants are located at low points in the wastewater collection system to pump flows from lower to higher elevations, which then allows the wastewater to continue to flow by gravity (Districts 2014).

Existing Gardena Pumping Plant

The Gardena Pumping Plant is composed of two functionally separate pumping plants referred to as the East Plant and West Plant located side by side within two brick buildings totaling 885 square feet (Figure 3, Existing Gardena Pumping Plant). Key elements of the pumping plants include wet wells, pumps, piping and associated valves, equipment control and alarm systems, and ventilation systems. The two plants receive flows from different sewers, and both plants are capable of routing effluent through pressure pipes known as force mains back to two separate downstream sewers. The Gardena Pumping Plant is part of critical, uninterruptible infrastructure to convey sewage from the tributary area and there are no existing diversions available to bypass the pumping plant.

Failure of the Gardena Pumping Plant would require emergency response efforts to re-route sewage as continuous operation of the plant is critical to the health and welfare of residents and the environment.

The East Plant and Force Main No. 1 were constructed in 1928; the West Plant and Force Main No. 2 were constructed in 1960; and Force Main No. 3 was constructed in 1995. In 1970, the East Plant underwent a comprehensive renovation during which its structural shell was retained but its interior was completely reconstructed. Additionally, the original 20-inch Force Main No. 1 was removed and replaced with a 16-inch pipe.

As depicted in Figure 4, Existing Site Layout, under normal operation the influent wastewater flows from the west of the project site are received by the West Plant's wet well through the 36-inch Gramercy Place Trunk Section 1 Sewer and the 24-inch Moneta Extension Trunk Sewer (shown as an orange line). The West Plant then pumps effluent through Force Main No. 3 to the J.O. "A"–1A District No. 5 Interceptor Relief Sewer (shown as a green line). The West Plant can also pump effluent through Force Main No. 2 to the J.O. "D"–2B Sewer if necessary for emergency operations. Additionally, , as shown in Figure 4, influent from the east of the project site is received by the East Plant's wet well through the 24-inch Gardena Pump trunk sewer (shown as an orange line). The East Plant then pumps effluent through Force Main No. 1 to the J.O. "D"–2B Sewer (shown as a green line). The East Plant can also pump effluent through Force Main No. 3 to the J.O. "A"–1A District No. 5 Interceptor Relief Sewer if necessary for emergency operations. The current flow capacities of the East and West Plants are described in Table 1, Flow Capacity.

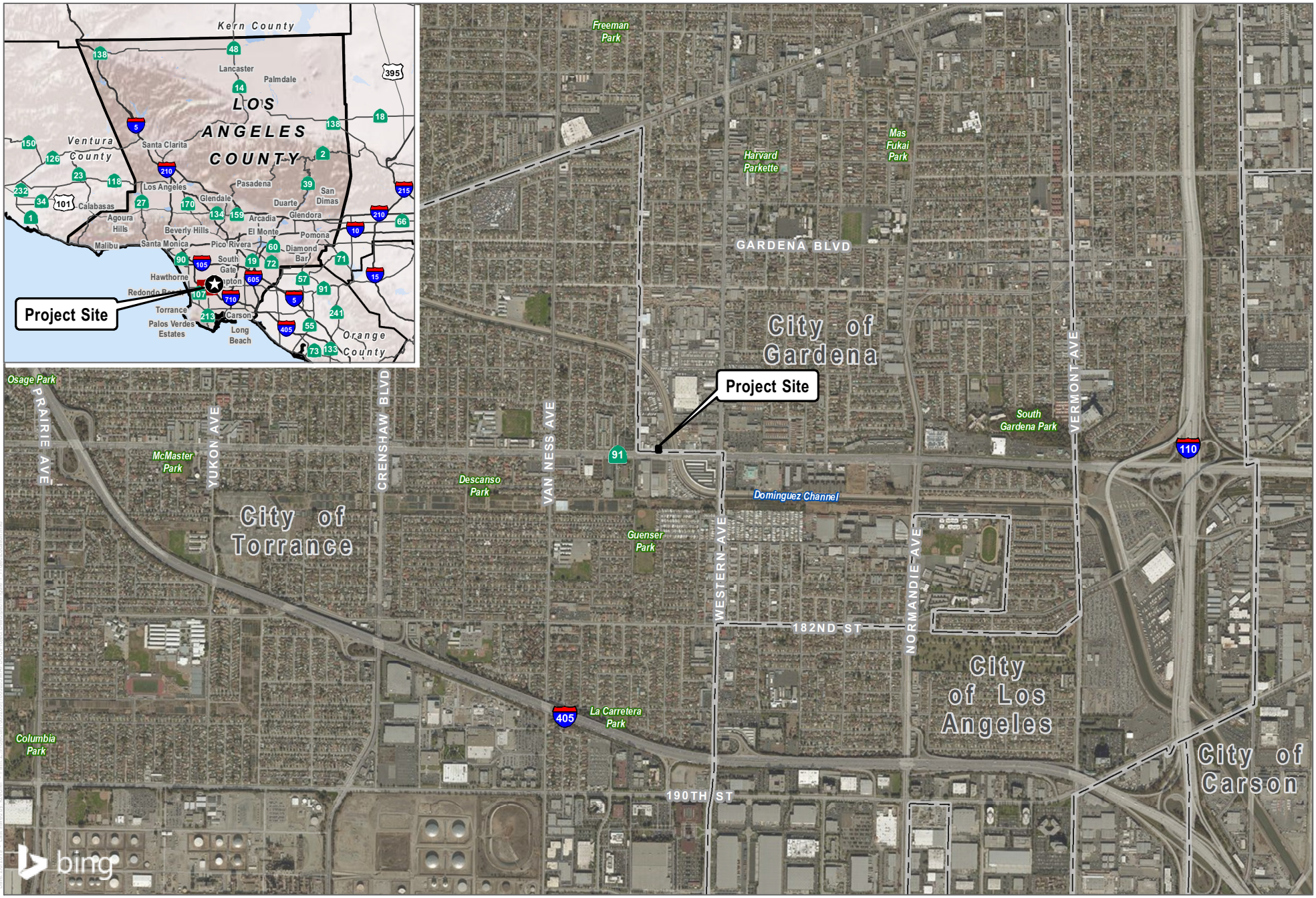
Table 1. Flow Capacity

Pumping Plant	Dry Weather Peak (gpm)	Low (gpm)	Average (gpm)
West Plant	6,750	1,500	5,750
East Plant	2,300	500	1,750
Combined	**9,050**	**2,000**	**7,500**

Source: Districts 2007
Note: gpm = gallons per minute

The pumping plants operate as "constant level" pumping plants utilizing level indicators and pump control systems to maintain fixed wet-well elevations. The wet wells of the East and West Plants are connected by manhole 2016, located south of the project within the right-of-way of Artesia Boulevard. When the level in the west wet well reaches an elevation of 23.1 feet, the influent sewer will overflow a weir at manhole 2016, thereby permitting influent flow to bypass the West Plant to the East Plant (as shown on Figure 4).

Under normal conditions, the West Plant maintains the wet well at a constant level using one pump with a 75-horsepower electric motor, and the East Plant maintains the wet well at constant level using one pump with a 60-horsepower electric motor. Although each plant utilizes only one pump to maintain constant levels in the wet wells, both have an additional pump for redundancy if the primary pump fails or influent flows exceed the capacity of the primary pumps. The pumps are operated using electrical motors and are normally powered from a service connection to the Southern California Edison (SCE) power grid. In the event of a loss of power, a 150-kilowatt (kW) standby, diesel-engine-powered generator, which is permanently installed behind the West Plant, serves both plants. The generator is configured to sense loss of power and to automatically provide enough electrical power to run the plants under dry-weather conditions. Currently, the permanent diesel-powered generator does not have enough capacity to provide power to the plants under heavy wet weather conditions. In the event of forecast rain, an additional temporary generator is brought to the site to provide adequate capacity to continue to run the plants if primary electrical grid power is lost during the rain event.



SOURCE: Bing Maps

DUDEK

0 1,000 2,000 Feet

FIGURE 1

Project Location

Gardena Pumping Plant Upgrades

INTENTIONALLY LEFT BLANK

SOURCE: SOURCE: Bing Maps

DUDEK

0 50 100 Feet

FIGURE 2

Surrounding Land Uses

Gardena Pumping Plant Upgrades

INTENTIONALLY LEFT BLANK

SOURCE: LARIAC 2014

DUDEK

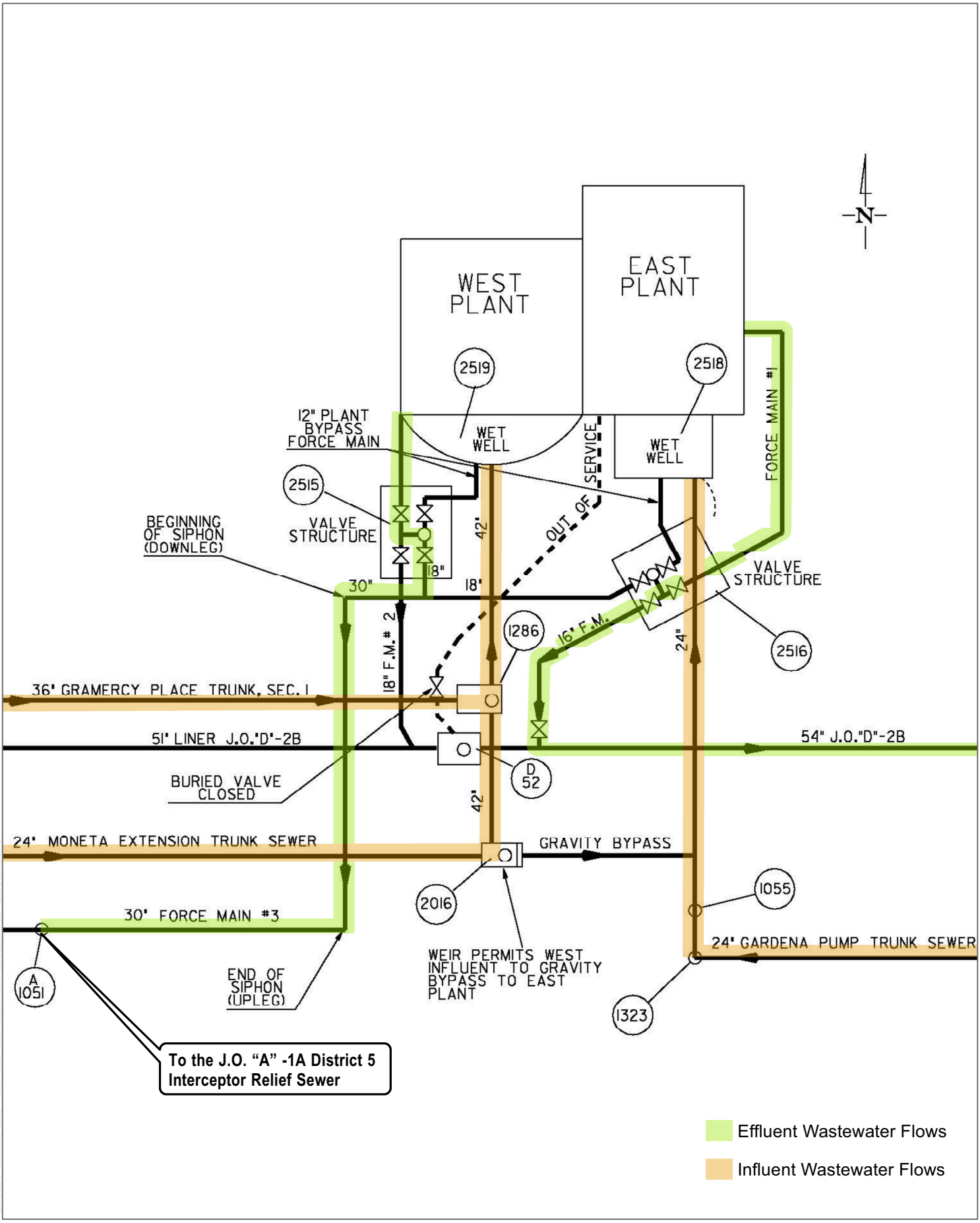
0 15 30 Feet

FIGURE 3

Existing Gardena Pumping Plant

Gardena Pumping Plant Upgrades

INTENTIONALLY LEFT BLANK



SOURCE: Gardena PP Emergency Procedures

FIGURE 4

Existing Site Layout

Gardena Pumping Plant Upgrades

DUDEK

INTENTIONALLY LEFT BLANK

Operation and Maintenance

The pumping plants are visited daily by a pumping plant operator. Routine visits include inspection of the pumps, piping, valves, electrical equipment, and force mains. During these visits, the operator confirms that the plants are operating normally and notes any deficiencies that would require follow-up work. In addition to the pumping plant operators, other trained personnel including electrical and instrumentation technicians and stationary mechanics visit the site on a periodic basis to support routine maintenance and repair of various systems. The pumping plants are also remotely monitored and operated through a Supervisory Control and Data Acquisition (SCADA) system. The SCADA system provides critical, real-time operational data about the plants, including wet well level and pump status. The SCADA system can be accessed at the Long Beach Main Pumping Plant Central Alarm Center, the Compton Field Office, and the Joint Administration Building (located in Whittier) (Districts 2014). In particular, the Long Beach Main Pumping Plant Central Alarm Center is staffed 24-hours per day providing continuous monitoring of all Districts' pumping plants.

The pumping plants are designed for uninterruptible operation through features such as redundant pumps, redundant force mains, and backup generators. Nevertheless, the Districts maintain additional backup pumps, generators, and piping at the Compton Field Office that would be dispatched to the pumping plant to assist with emergency response (Districts 2014).

2.3 Proposed Project

The Gardena Pumping Plant is one of the largest operated by the Districts and handles approximately 8 million gallons of sewage per day, which is equivalent to the sewage flow from approximately 30,000 single-family homes (see Figure 5, Service Area). This pumping plant is a critical piece of infrastructure, and its operation cannot be interrupted. However, the existing equipment is outdated and at the end of its service life, and the Districts cannot safely upgrade the existing site to meet current design and operational guidelines while keeping it in service.

The proposed project would address the existing safety, reliability, and maintenance issues of the existing Gardena Pumping Plant by consolidating the East and West Plants into one new pumping plant near the existing location (Figure 6, Preliminary Site Layout). The proposed project would generally include the following:

- Replacement of plant superstructure;
- Replacement of pumps;
- Deep excavation for a new dry/wet well;
- Replacement of the diesel-powered backup generator;
- Improvement of force mains and cross connections;
- Associated equipment upgrades; and
- Demolition of the existing Plant.

The proposed project would serve the same function as the existing Gardena Pumping Plant and would continue to accept wastewater flows from the 36-inch Gramercy Place Trunk Sewer Section 1, the 24-inch Moneta Extension Trunk Sewer, and the 24-inch Gardena Pump Trunk Sewer. All of the wastewater from these three influent sewers would be directed to one new wet well through new piping and cross connections. The proposed flow capacities of the upgraded Gardena Pumping Plant would be the same as current combined flows for the

East and West Plants (see Table 1, Flow Capacity). The effluent would be directed back to the Districts' wastewater collection system through new force main connections. Operation and maintenance activities would largely be the same as those for the existing plant, but consolidating the functionally separate plants into one plant will simplify maintenance by reducing the amount of equipment that needs to be maintained. For example, the four existing pumps would be replaced with three or fewer pumps that would reduce the amount of required maintenance. The proposed project would be designed for uninterruptible operation and simplified emergency response through the addition of features such as redundant pumps, redundant force mains, and backup generators. The new pumping plant superstructure would be approximately 600 square feet and its structure would be 13 feet high. Because the existing plant must be continually in operation, the new plant would be constructed adjacent to it. When the new plant is operational, the old plants would be decommissioned and demolished.

Another of the proposed project's features is the replacement of the existing standby electrical generator with a larger generator with adequate capacity to provide electrical power under wet- and dry-weather conditions. This would eliminate the need for a temporary electrical generator during rain events.

2.4 Project Construction

Construction of the proposed project is anticipated to commence in 2021 and last approximately 30 months. The existing pumping plant would remain in operation until the proposed project is completed. After the proposed plant has been completed and tested, all influent flows would be directed to the upgraded plant. The existing Plant would be demolished following the construction, testing, and operation of the proposed replacement plant.

The proposed project's area of disturbance includes the existing plant, the property of the proposed pumping plant to the west, and a portion of the sidewalk/roadway on Artesia Boulevard. Construction of the upgraded pumping plant would involve deep excavation for the new dry/wet well; installation of the new influent cross connections, manhole, pumps, and discharge piping; and construction of a new superstructure over the dry/wet well. Construction of the proposed project would require temporary lane closures at Artesia Boulevard; however, traffic controls, including a flagman (as necessary), would be used to reduce traffic impacts and ensure pedestrian safety. A construction staging area would likely be located on site for construction of the plant structure. However, the location of the staging area for the street/sewer work will be determined by the contractor.

Because excavation is anticipated to reach up to 40 feet below ground surface (bgs), dirt would have to be hauled off site. The proposed hauling route and destination will be determined by the contractor pursuant to a Construction Traffic Management Plan.

2.5 Project Approvals

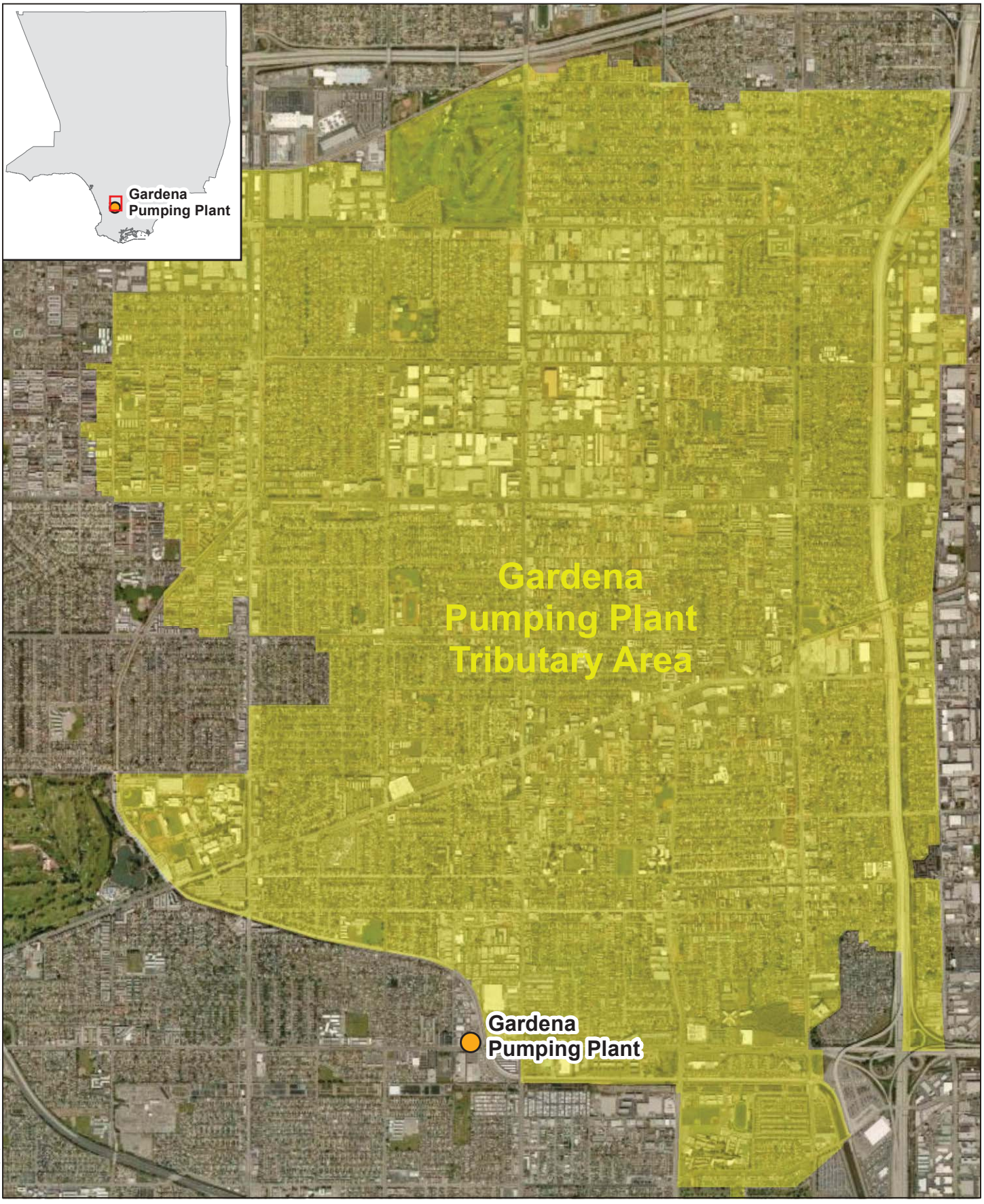
The proposed project would require the following approvals:

- City of Torrance Construction/Encroachment Permit (temporary lane closures on Artesia Boulevard and street excavation);
- City of Gardena Construction/Encroachment Permit (temporary lane closures on Artesia Boulevard and street excavation);
- Los Angeles County Fire Department (as necessary for occupied structures); and

- South Coast Air Quality Management District (SCAQMD) (for installation and operation of new diesel-powered back up electrical generator).

(NOTE: For the construction of wastewater treatment and conveyance facilities such as this, the Districts would generally be exempt from other City/County building approvals/permits in disciplines such as grading, structural, plumbing, and electrical. However, all design/construction activities will adhere to minimum code requirements, including design for seismic hazards.)

INTENTIONALLY LEFT BLANK



SOURCE: LACSD 2019

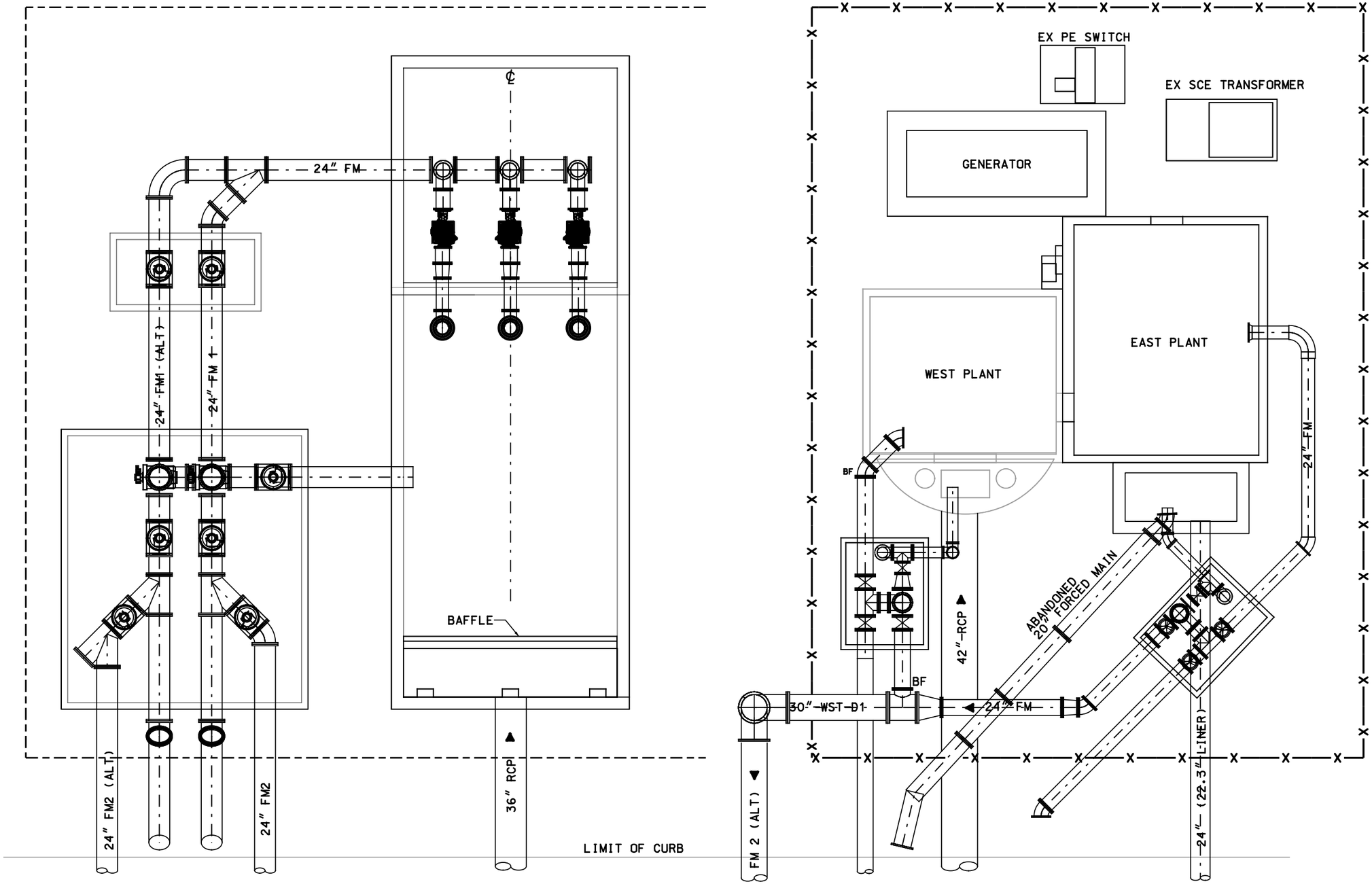
FIGURE 5

Service Area

Gardena Pumping Plant Upgrades

DUDEK

INTENTIONALLY LEFT BLANK



SOURCE: Los Angeles County Sanitation District No. 5

FIGURE 6

Preliminary Site Layout

Gardena Pumping Plant Upgrades

DUDEK

INTENTIONALLY LEFT BLANK

3 Initial Study Checklist

1. **Project title:**

   Gardena Pumping Plant Upgrades

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

   County Sanitation District No. 5 of Los Angeles County
   1955 Workman Mill Road
   Whittier, California 90601

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

   Debra Bogdanoff, Senior Engineer
   562.908.4288 ext. 2734

4. **Project location:**

   1919, 1923, and 1931 Artesia Boulevard,
   Gardena, California 90247

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

   County Sanitation District No. 5 of Los Angeles County
   1955 Workman Mill Road
   Whittier, California 90601

6. **General plan designation:**

   Industrial

7. **Zoning:**

   General Commercial Zone (Z-3)

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

   The proposed project would address existing safety, reliability, and maintenance issues of the existing Gardena Pumping Plant by consolidating the East and West Plants into one new pumping plant near the existing location. The proposed project would involve the replacement of plant superstructure, the replacement of pumps, the deep excavation for a new dry/wet well, the improvement of force mains and cross connections, the upgrading of associated equipment, and the demolition of the existing plant.

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

The project site is located within a highly developed, urbanized portion of the City. The area surrounding the project site is within a predominantly commercial area with some residential uses. To the north of project site is a commercial auto-body shop with an associated surface parking lot to the east. To the west are several commercial buildings, and to the west of Gramercy Place are residential uses. To the south are the City of Torrance; Artesia Boulevard; surface parking lots; a construction company building; and Momin Lodge, an Islamic Center. To the east, beyond the Dominguez Channel, are other auto-related commercial buildings.

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

- City of Gardena
- City of Torrance
- Los Angeles County Fire Department
- SCAQMD

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

Yes. See Section 3.18, Tribal Cultural Resources, for further details.

Environmental Factors Potentially Affected

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

☐ 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

Determination (to be completed by the Lead Agency)

On the basis of this initial evaluation:

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

☒ I find that 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.

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

☐ I find that 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.

☐ I find that 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 ENVIRONMENTAL IMPACT REPORT or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier ENVIRONMENTAL IMPACT REPORT or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

Signature

4/30/19
Date

Evaluation of Environmental Impacts

1. 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 projects like the one involved (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).
2. 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.
3. Once the lead agency has determined that a particular physical impact may occur, then 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.
4. "Negative Declaration: 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." The lead agency must describe the mitigation measures, and briefly explain how they reduce the effect to a less-than-significant level (mitigation measures from "Earlier Analyses," as described in (5) below, may be cross-referenced).
5. Earlier analyses may be used where, pursuant to the tiering, 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 Analysis Used. Identify and state where they are available for review.
   b. Impacts Adequately Addressed. Identify which effects from the above checklist were within the scope of and adequately analyzed in an earlier document pursuant to applicable legal standards, and state whether such effects were addressed by mitigation measures based on the earlier analysis.
   c. Mitigation Measures. For effects that are "Less Than Significant With Mitigation Measures Incorporated," describe the mitigation measures which were incorporated or refined from the earlier document and the extent to which they address site-specific conditions for the project.
6. Lead agencies are encouraged to incorporate into the checklist references to information sources for potential impacts (e.g., general plans, zoning ordinances). Reference to a previously prepared or outside document should, where appropriate, include a reference to the page or pages where the statement is substantiated.
7. Supporting Information Sources: A source list should be attached, and other sources used or individuals contacted should be cited in the discussion.
8. This is only a suggested form, and lead agencies are free to use different formats; however, lead agencies should normally address the questions from this checklist that are relevant to a project's environmental effects in whatever format is selected.
9. The explanation of each issue should identify:
   a. The significance criteria or threshold, if any, used to evaluate each question; and
   b. The mitigation measure identified, if any, to reduce the impact to less than significance.

	Potentially Significant Impact	Less-Than-Significant Impact With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
I. AESTHETICS – Except as provided in Public Resources Code section 21099, would the project:				
a) Have a substantial adverse effect on a scenic vista?	☐	☐	☐	☒
b) Substantially damage scenic resources including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	☐	☐	☐	☒
c) In non-urbanized 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?	☐	☐	☐	☒
d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	☐	☐	☒	☐
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 Department 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?	☐	☐	☐	☒
b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?	☐	☐	☐	☒
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))?	☐	☐	☐	☒
d) Result in the loss of forest land or conversion 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 non-agricultural use or conversion of forest land to non-forest use?	☐	☐	☐	☒

	Potentially Significant Impact	Less-Than-Significant Impact With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
III. AIR QUALITY – Where available, the significance criteria established by the applicable air quality management district 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?	☐	☐	☒	☐
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?	☐	☐	☒	☐
c) Expose sensitive receptors to substantial pollutant concentrations?	☐	☐	☒	☐
d) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?	☐	☐	☒	☐
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 Game or U.S. Fish and Wildlife Service?	☐	☐	☐	☒
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 Game or U.S. Fish and Wildlife Service?	☐	☐	☐	☒
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?	☐	☐	☐	☒
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?	☐	☐	☐	☒
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	☐	☐	☐	☒
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?	☐	☐	☐	☒
V. CULTURAL RESOURCES – Would the project:				
a) Cause a substantial adverse change in the significance of a historical resource pursuant to §15064.5?	☐	☐	☒	☐
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?	☐	☒	☐	☐
c) Disturb any human remains, including those interred outside of dedicated cemeteries?	☐	☐	☒	☐

	Potentially Significant Impact	Less-Than-Significant Impact With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
VI. Energy – Would the project:				
a) Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?	☐	☐	☒	☐
b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?	☐	☐	☐	☒
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:				
i) 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.	☐	☐	☐	☒
ii) Strong seismic ground shaking?	☐	☐	☒	☐
iii) Seismic-related ground failure, including liquefaction?	☐	☐	☒	☐
iv) Landslides?	☐	☐	☐	☒
b) Result in substantial soil erosion or the loss of topsoil?	☐	☐	☒	☐
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?	☐	☐	☐	☒
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?	☐	☐	☐	☒
e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?	☐	☐	☐	☒
f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	☐	☒	☐	☐
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?	☐	☐	☒	☐
b) Conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	☐	☐	☒	☐
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?	☐	☒	☐	☐
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?	☐	☒	☐	☐

	Potentially Significant Impact	Less-Than-Significant Impact With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	☐	☐	☒	☐
d) Be located on a site that 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?	☐	☒	☐	☐
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 or excessive noise for people residing or working in the project area?	☐	☐	☐	☒
f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	☐	☒	☐	☐
g) Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?	☐	☐	☐	☒
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?	☐	☐	☒	☐
b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?	☐	☐	☐	☒
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:				
i) result in substantial erosion or siltation on or off site;	☐	☐	☒	☐
ii) substantially increase the rate or amount of surface runoff in a manner which would result in flooding on or off site;	☐	☐	☒	☐
iii) create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or	☐	☐	☒	☐
iv) impede or redirect flood flows?	☐	☐	☐	☒
d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?	☐	☐	☒	☐
e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?	☐	☐	☒	☐

	Potentially Significant Impact	Less-Than-Significant Impact With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
XI. LAND USE AND PLANNING – Would the project:				
a) Physically divide an established community?	☐	☐	☐	☒
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?	☐	☐	☐	☒
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?	☐	☐	☐	☒
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?	☐	☐	☐	☒
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 in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	☐	☐	☒	☐
b) Generation of excessive groundborne vibration or groundborne noise levels?	☐	☐	☒	☐
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?	☐	☐	☐	☒
XIV. POPULATION AND HOUSING – Would the project:				
a) 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)?	☐	☐	☐	☒
b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?	☐	☐	☐	☒
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?	☐	☐	☐	☒
Police protection?	☐	☐	☐	☒
Schools?	☐	☐	☐	☒
Parks?	☐	☐	☐	☒
Other public facilities?	☐	☐	☐	☒

	Potentially Significant Impact	Less-Than-Significant Impact With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
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?	☐	☐	☐	☒
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?	☐	☐	☐	☒
XVII.TRANSPORTATION – Would the project:				
a) Conflict with a program, plan, ordinance, or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities?	☐	☐	☒	☐
b) Conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?	☐	☐	☒	☐
c) Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	☐	☒	☐	☐
d) Result in inadequate emergency access?	☐	☒	☐	☐
XVIII. 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	☐	☐	☒	☐
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 Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe?	☐	☒	☐	☐
XIX. 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?	☐	☐	☒	☐
b) Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry, and multiple dry years?	☐	☐	☒	☐

	Potentially Significant Impact	Less-Than-Significant Impact With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
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?	☐	☐	☒	☐
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?	☐	☐	☐	☒
e) Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?	☐	☐	☐	☒
XX. 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?	☐	☐	☐	☒
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?	☐	☐	☐	☒
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?	☐	☐	☐	☒
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?	☐	☐	☐	☒
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?	☐	☒	☐	☐
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)?	☐	☒	☐	☐
c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	☐	☒	☐	☐

3.1 Aesthetics

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

No Impact. Scenic vistas and other important visual resources are typically associated with natural landforms such as mountains, foothills, ridgelines, coastlines, and open space areas. Open space resources within the City include parks and other recreational facilities, such as public school facilities, parks and ball fields, landscaped medians, open area occupied by utilities, such as flood control channels and utility easements, and private recreational facilities (City of Gardena 2006a). As previously described in Section 2.1, Project Location, the Dominguez Channel, an existing flood control channel, is located approximately 160 feet to the east of the project site. In addition, construction of the proposed project would require temporary lane closures at Artesia Boulevard, immediately south of the project site, which contains a landscaped median. Although the flood control channel and landscaped median are identified as open space resources by the City, these facilities do not represent natural features.

Construction of the proposed project would not result in substantial adverse effects to the Dominguez Hills Channel. Construction within Artesia Boulevard may temporarily alter views of the landscaped median to vehicles traveling west to east; however, these would be short-term changes and would not represent a substantial adverse effect. Implementation of the proposed project would not obstruct the view of the Dominguez Hills Channel and the landscaped median at Artesia Boulevard. Further, the project site is located in a relatively flat and urbanized area that generally lacks natural landforms. Therefore, no impacts associated with scenic vistas would occur.

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

No Impact. According to the California Department of Transportation (Caltrans) Scenic Highway Mapping System, there are no state scenic highways located within the vicinity of the project site. The nearest officially designated state highways is SR-2 (also known as the Angeles Crest Highway), from 2.7 miles north of SR-210 in La Cañada Flintridge north and east to the San Bernardino County line (Caltrans 2011). At SR-210 in La Cañada Flintridge, SR-2 is located approximately 24.5 miles north of the project site. All segments of the SR-2 between La Cañada Flintridge and the San Bernardino County line are greater than 24.5 miles from the project site. Because of distance and the presence of intervening (and densely vegetated) terrain of the San Gabriel Mountains, the proposed project would not be visible from the officially designated state scenic highway. Therefore, no impacts to scenic resources within an officially designated state scenic highway would occur.

In addition to officially designated state scenic highways, the State Scenic Highway Program includes eligible state scenic highways. The nearest eligible state scenic highway is a segment of SR-1 (Pacific Coast Highway), located approximately 11 miles southeast of the project site in the City of Long Beach (Caltrans 2011). Because of the intervening urban environment and natural topography located between the project site and this eligible state scenic highway, development of the proposed project would occur outside of the viewshed of this, and any other, designated scenic highway. Therefore, no impacts to eligible state scenic highways would occur.

c) In non-urbanized areas, would the project 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?

No Impact. The project site is zoned as C-3, General Commercial, and is required to comply with the City's zoning code regulations for the C-3 zone. Although the zoning code does not have specific regulations governing scenic quality, there are standards related to lot area and dimension, building height, setbacks, landscaping, fencing, access, signs, and parking.

The City of Gardena General Plan 2006 (general plan) designates the project site as Industrial. The Community Design Plan Element of the general plan sets goals and policies guiding the aesthetic qualities of existing and future development in the City (City of Gardena 2006b). The following general plan goals and policies are applicable to the proposed project:

- **DS Goal 5:** Improve the aesthetic quality of the industrial environment for both workers and residents of the City.
- **Policy DS 5.2:** Encourage the design of industrial buildings to consider the visual and physical relationship to adjacent uses. An industrial structure, which dominates the surrounding environment by its relative size, shall be discouraged.
- **Policy DS 5.3**: Industrial projects shall be required to: incorporate landscape setbacks and buffers; aesthetically treat horizontal and vertical design elements on building and perimeter walls; and conceal storage yards, parking, and service areas to minimize visual impacts on the public.

The proposed project would result in the construction of new pumping plant superstructure, which would be approximately 600 square feet and 13 feet high, compared to the existing two brick buildings totaling 885 square feet. As such, the proposed project would be slightly smaller than the existing Gardena Pumping Plant and similar in mass and scale as the existing commercial buildings surrounding the project site. Additionally, compliance with zoning code chapter 18.32.050, which sets development standards for the C-3 zone, would ensure the proposed project is designed with appropriate landscape setbacks, buffers, and other aesthetic elements (City of Gardena 2018). Further, the proposed project would consolidate the two plants into one plant to simplify maintenance and improve the quality of the project site for workers. The proposed project would not conflict with applicable zoning and other regulations governing scenic quality and there would be no impact.

d) Would the project 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 proposed new pumping plant superstructure, pumps, dry/wet wells, generators, force mains, cross connections, and associated equipment would not generate new sources of substantial light and glare. With the exception of the plant superstructure and backup generator, all of the project construction would occur subsurface and, thus, would not produce light sources affecting day or nighttime views. The plant superstructure would require lighting similar to that of the existing facility, which is required for safety and security purposes. Based on the existing level of lighting at the Gardena Pumping Plant, new lighting associated with the proposed project would not be expected to adversely affect nighttime views in the area. The backup generator would not introduce light or glare. Additionally, the materials used in the

construction of the plant superstructure would not be expected to add a new source of glare to the project site. Furthermore, the project site is separated from residences by existing commercial buildings; therefore, there would be little to no direct line of sight for glare to travel if sources of temporary glare (e.g., construction and operations and maintenance vehicles) are found on site. Therefore, impacts would be less than significant.

3.2 Agriculture and Forestry Resources

a) Would the project 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?

No Impact. The proposed project would be located on a site that is currently owned and operated by the Districts. According to the California Department of Conservation's (DOC's) California Important Farmland Finder, most of Los Angeles County is not mapped under the Farmland Mapping and Monitoring Program and, thus, does not contain Prime Farmland, Unique Farmland, or Farmland of State Importance (collectively "Important Farmland") (DOC 2016a). Therefore, no impacts associated with conversion of Important Farmland would occur.

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

No Impact. The project site is zoned C-3, General Commercial, and thus, would not conflict with existing zoning for agricultural use. According the California Department of Conservation's Williamson Act Parcel map for Los Angeles County, the project site is not located on or adjacent to any lands under Williamson Act contract. The Los Angeles County Williamson Act 2015/2016 Map designates the project site and surrounding land as non-Williamson Act land (DOC 2016b). Therefore, impacts associated with existing zoning for agricultural use or a Williamson Act contract would be less than significant.

c) Would the project 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. No forestland, timberland, or timberland zoned Timberland Production areas (as defined in California Public Resources Code Sections 12220(g), 4526, and 51104(g)) are located within or adjacent to the project site. Therefore, the proposed project would not conflict with existing zoning for forestland, timberland, or Timberland Production areas, and no impact would occur.

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

No Impact. The project site is located in a predominantly urban area. The project site is not located on or adjacent to forestland. No private timberlands or public lands with forests are located in the City. Therefore, no impact associated with the loss or conversion of forestland would occur.

e) Would the project 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?

No Impact. The project site is not located on or adjacent to any parcels identified as Important Farmland or forestland. In addition, the proposed project would not involve changes to the existing environment

that would result in the indirect conversion of Important Farmland or forestland located away from the project site. Therefore, no impacts associated with the conversion of Farmland or forestland would occur.

3.3 Air Quality

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

Less-Than-Significant Impact. The project area is located in the City, within the South Coast Air Basin (SCAB), which includes the non-desert portions of Los Angeles, Riverside, and San Bernardino counties and all of Orange County. SCAB is within the jurisdictional boundaries of SCAQMD.

SCAQMD administers the SCAB Air Quality Management Plan (AQMP), which is a comprehensive document outlining an air pollution control program for attaining the California Ambient Air Quality Standards (CAAQS) and National Ambient Air Quality Standards (NAAQS). The most-recently adopted AQMP for the SCAB is the 2016 AQMP (SCAQMD 2017). The 2016 AQMP focuses on available, proven, and cost-effective alternatives to traditional air quality strategies while seeking to achieve multiple goals in partnership with other entities seeking to promote reductions in GHGs and toxic risk, as well as efficiencies in energy use, transportation, and goods movement (SCAQMD 2017).

The purpose of a consistency finding regarding the AQMP is to determine if a project is consistent with the assumptions and objectives of the 2016 AQMP, and if it would interfere with the region's ability to comply with federal and state air quality standards. SCAQMD has established criteria for determining consistency with the currently applicable AQMP in Chapter 12, Sections 12.2 and 12.3, of the SCAQMD CEQA Air Quality Handbook. These criteria are as follows (SCAQMD 1993):

- **Consistency Criterion No. 1:** Whether the project would 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 the ambient air quality standards or interim emission reductions in the AQMP.
- **Consistency Criterion No. 2:** Whether the project would exceed the assumptions in the AQMP or increments based on the year of project buildout and phase.

To address the first criterion, project-generated criteria air pollutant emissions have been estimated and analyzed for significance and are addressed in Section 3.3(b). Detailed results of this analysis are included in Appendix A, Air Quality and Greenhouse Gas Emissions. As presented in Section 3.3(b), the proposed project would not generate criteria air pollutant emissions that exceed the SCAQMD's thresholds; therefore, the proposed project would be consistent with Criterion No. 1.

The second criterion regarding the potential of the proposed project to exceed the assumptions in the AQMP or increments based on the year of project buildout and phase is primarily assessed by determining consistency between the proposed project's land use designations and its potential to generate population growth. In general, projects are considered consistent with, and not in conflict with or obstructing implementation of, the AQMP if the growth they produce in socioeconomic factors is consistent with the underlying regional plans used to develop the AQMP (SCAQMD 1993). SCAQMD primarily uses demographic growth forecasts for various socioeconomic categories (e.g., population, housing, and employment by industry) developed by the Southern California Association of Governments (SCAG) for its 2016–2040 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS)

(SCAG 2016). SCAQMD uses this document, which is based on general plans for cities and counties in the SCAB, to develop the AQMP emissions inventory (SCAQMD 2017).[1] The SCAG RTP/SCS and associated Regional Growth Forecast are generally consistent with the local plans; therefore, the 2016 AQMP is generally consistent with local government plans.

Since the proposed project involves upgrades to the existing pumping plant, the proposed use is consistent with the general plan Industrial designation, and zone C-3, General Commercial. In addition, the implementation of the project would not generate an increase in employment that would conflict with existing employment population projections. Accordingly, the proposed project is consistent with the SCAG RTP/SCS forecasts used in the SCAQMD AQMP development.

In summary, based on the considerations presented for the two criteria, impacts relating to the proposed project's potential to conflict with or obstruct implementation of the applicable AQMP would be less than significant.

b) Would the project 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. A quantitative analysis was conducted to determine whether the proposed project might result in emissions of criteria air pollutants that may cause exceedances of the NAAQS or CAAQS, or cumulatively contribute to existing nonattainment of ambient air quality standards. Criteria air pollutants include ozone (O_3), nitrogen dioxide (NO_2), carbon monoxide (CO), sulfur dioxide, particulate matter with an aerodynamic diameter less than or equal to 10 microns (PM_{10}; course particulate matter), particulate matter with an aerodynamic diameter less than or equal to 2.5 microns ($PM_{2.5}$; fine particulate matter), and lead. Pollutants that are evaluated herein include volatile organic compounds (VOCs) and oxides of nitrogen (NO_X), which are important because they are precursors to O_3, as well as CO, sulfur oxides (SO_X), PM_{10}, and $PM_{2.5}$.

Regarding NAAQS and CAAQS attainment status,[2] the SCAB is designated as a nonattainment area for federal and state O_3 and $PM_{2.5}$ standards (CARB 2017a; EPA 2018). The SCAB is also designated as a nonattainment area for state PM_{10} standards; however, it is designated as an attainment area for federal PM_{10} standards. SCAB is designated as an attainment area for federal and state CO and NO_2 standards, as well as for state SO_2 standards. Although the SCAB has been designated as nonattainment for the federal rolling 3-month average lead standard, it is designated attainment for the state lead standard.[3]

---

1 Information necessary to produce the emissions inventory for SCAB is obtained from SCAQMD and other governmental agencies, including CARB, Caltrans, and SCAG. Each of these agencies is responsible for collecting data (e.g., industry growth factors, socioeconomic projections, travel activity levels, emission factors, emission speciation profile, and emissions) and developing methodologies (e.g., model and demographic forecast improvements) required to generate a comprehensive emissions inventory. SCAG incorporates these data into its Travel Demand Model for estimating/projecting vehicle miles traveled (VMT) and driving speeds. SCAG's socioeconomic and transportation activities projections in their 2016–2040 RTP/SCS are integrated in the 2016 AQMP (SCAQMD 2017).

2 An area is designated as in attainment when it is in compliance with the NAAQS and/or the CAAQS. These standards for the maximum level of a given air pollutant that can exist in the outdoor air without unacceptable effects on human health or the public welfare are set by the U.S. Environmental Protection Agency and CARB, respectively. Attainment = meets the standards; attainment/maintenance = achieves the standards after a nonattainment designation; nonattainment = does not meet the standards.

3 The phase-out of leaded gasoline started in 1976. Since gasoline no longer contains lead, the project is not anticipated to result in impacts related to lead; therefore, it is not discussed in this analysis.

The proposed project would result in emissions of criteria air pollutants for which the California Air Resources Board (CARB) and U.S. Environmental Protection Agency have adopted ambient air quality standards (i.e., the NAAQS and CAAQS). Projects that emit these pollutants have the potential to cause, or contribute to, violations of these standards. The SCAQMD CEQA Air Quality Significance Thresholds, as revised in March 2015, set forth quantitative emission significance thresholds for criteria air pollutants, which, if exceeded, would indicate the potential for a project to contribute to violations of the NAAQS or CAAQS. Table 2, SCAQMD Air Quality Significance Thresholds, lists the revised SCAQMD Air Quality Significance Thresholds (SCAQMD 2015).

Table 2. SCAQMD Air Quality Significance Thresholds

Criteria Pollutants Mass Daily Thresholds		
Pollutant	*Construction (in pounds/day)*	*Operation (in pounds/day)*
VOC	75	55
NO_X	100	55
CO	550	550
SO_X	150	150
PM_{10}	150	150
$PM_{2.5}$	55	55
Lead[a]	3	3
Toxic Air Contaminants and Odor Thresholds		
TACs[b]	Maximum incremental cancer risk ≥ 10 in 1 million Cancer Burden > 0.5 excess cancer cases (in areas ≥ 1 in 1 million) Chronic and Acute Hazard index ≥ 1.0 (project increment)	
Odor	Project creates an odor nuisance pursuant to SCAQMD Rule 402	

Source: SCAQMD 2015.
Notes: VOC = volatile organic compound; NO_X = oxides of nitrogen; CO = carbon monoxide; SO_X = sulfur oxides; PM_{10} = particulate matter with a diameter less than or equal to 10 microns (coarse particulate matter); $PM_{2.5}$ = particulate matter with a diameter less than or equal to 2.5 microns (fine particulate matter); SCAQMD = South Coast Air Quality Management District; TAC = toxic air contaminant

[a] The phase-out of leaded gasoline started in 1976. Since gasoline no longer contains lead, the proposed project is not anticipated to result in impacts related to lead; therefore, it is not discussed in this analysis.

[b] TACs include carcinogens and noncarcinogens.

The project would result in a substantial contribution to an existing air quality violation of the NAAQS or CAAQS for O_3, which is a nonattainment pollutant, if the proposed project's construction or operational emissions exceed the SCAQMD VOC or NO_X thresholds shown in Table 2. These emission-based thresholds for O_3 precursors are intended to serve as surrogates for an "ozone significance threshold" (i.e., the potential for adverse O_3 impacts to occur) because O_3 itself is not emitted directly, and the effects of an individual project's emissions of O_3 precursors (i.e., VOCs and NO_X) on O_3 levels in ambient air cannot be determined through air quality models or other quantitative methods.

The California Emissions Estimator Model (CalEEMod) version 2016.3.2 was used to estimate emissions from construction and operation of the proposed project. CalEEMod was also used to estimate emissions from operations of the existing pumping plant. CalEEMod is a statewide computer model developed in cooperation with air districts throughout the state to quantify criteria air pollutant emissions associated with construction and operational activities from a variety of land use projects, such as residential, commercial, and industrial facilities. The following discussion quantitatively evaluates project-generated construction and operational emissions and impacts that would result from implementation of the proposed project.

Construction Emissions

Construction of the proposed project would result in the temporary addition of pollutants to the local airshed caused by on-site sources (e.g., off-road construction equipment, soil disturbance, and VOC off-gassing from architectural coatings and asphalt pavement application) and off-site sources (e.g., vendor trucks, haul trucks, and worker vehicle trips). Specifically, the exposure of earth surfaces to wind from the direct disturbance and movement of soil can result in entrained dust and PM_{10} and $PM_{2.5}$ emissions. Internal combustion engines used by construction equipment, haul trucks, vendor trucks (i.e., delivery trucks), and worker vehicles would result in emissions of VOC, NO_X, CO, PM_{10}, and $PM_{2.5}$. Application of architectural coatings, such as exterior paint and other finishes, and application of asphalt pavement would also produce VOC emissions. Construction emissions can vary substantially from day to day depending on the level of activity; the specific type of operation; and, for dust, the prevailing weather conditions.

For purposes of estimating proposed project emissions, and based on information provided by the Districts, it is assumed that construction of the project would commence in July 2021 and would last approximately 30 months. The analysis contained herein is based on the following subset area schedule assumptions (duration of phases is approximate):

- Demolition of On-Site Buildings: 6 months
- Grading/Trenching: 6 months
- Building Construction: 16 months
- Architectural Coating: 11 days
- Demolition of Existing Pumping Plant: 21 days
- Paving: 11 days

General construction-equipment modeling assumptions are provided in Table 3, Construction Workers, Vendor Trips, and Equipment Use per Day. Default values for equipment mix, horsepower, and load factors provided in CalEEMod were used for all construction equipment. However, a trencher was added to the grading phase to account for infrastructure installation. Buildings to be demolished include 7,500 square-feet of on-site buildings and the 885-square-foot existing pumping plant. Demolition would occur in two different phases. For the analysis, it was generally assumed that heavy-duty construction equipment would be operating at the site 5 days per week, up to a maximum of 8 hours per day. Detailed construction-equipment modeling assumptions are provided in Appendix A.

Table 3. Construction Workers, Vendor Trips, and Equipment Use per Day

Construction Phase	One-Way Vehicle Trips			Equipment		
	Average Daily Worker Trips	*Average Daily Vendor Truck Trips*	*Total Haul Truck Trips*	*Equipment Type*	*Quantity*	*Usage Hours*
Demolition of On-Site Buildings	10	0	52	Concrete/Industrial Saws	1	8
				Rubber Tired Dozers	1	1
				Tractors/Loaders/Backhoes	2	6
Grading/ Trenching	10	0	1,250	Concrete/Industrial Saws	1	8
				Rubber Tired Dozers	1	1

Table 3. Construction Workers, Vendor Trips, and Equipment Use per Day

Construction Phase	One-Way Vehicle Trips			Equipment		
	Average Daily Worker Trips	*Average Daily Vendor Truck Trips*	*Total Haul Truck Trips*	*Equipment Type*	*Quantity*	*Usage Hours*
				Tractors/Loaders/Backhoes	2	6
				Trencher	1	8
Building Construction	4	2	0	Cranes	1	4
				Forklifts	2	6
				Tractors/Loaders/Backhoes	2	8
Architectural Coating	2	0	0	Air Compressors	1	6
Demolition of Existing Pumping Plant	10	0	10	Concrete/Industrial Saws	1	8
				Rubber Tired Dozers	1	1
				Tractors/Loaders/Backhoes	2	6
Paving	18	0	0	Cement and Mortar Mixers	4	6
				Pavers	1	7
				Rollers	1	7
				Tractors/Loaders/Backhoes	1	7

Notes: See Appendix A for additional details.

VOC off-gassing emissions result from evaporation of solvents contained in surface coatings such as in paints and primers used during construction of the project. CalEEMod calculates the VOC evaporative emissions from application of surface coatings based on the VOC emissions factor, the building square footage, and the assumed fraction of surface area. VOC rates of 100 grams per liter for interior and exterior coatings were assumed consistent with CalEEMod default values. Table 4, Estimated Maximum Daily Construction Criteria Air Pollutant Emissions, shows the estimated maximum daily construction emissions associated with the construction phase of the proposed project.

Table 4. Estimated Maximum Daily Construction Criteria Air Pollutant Emissions

Year	VOCs	NO_X	CO	SO_X	PM_{10}[a]	$PM_{2.5}$[a]
	pounds per day					
2021	0.85	7.39	7.96	0.01	0.56	0.43
2022	1.20	12.27	11.06	0.02	1.19	0.79
2023	0.96	6.57	7.73	0.01	0.47	0.31
Maximum	*1.20*	*12.27*	*11.06*	*0.02*	*1.19*	*0.79*
SCAQMD threshold	*75*	*100*	*550*	*150*	*150*	*55*
Threshold exceeded?	**No**	**No**	**No**	**No**	**No**	**No**

Source: SCAQMD 2015.
Notes: VOC = volatile organic compound; NO_X = oxides of nitrogen; CO = carbon monoxide; SO_X = sulfur oxides; PM_{10} = particulate matter with a diameter less than or equal to 10 microns (coarse particulate matter); $PM_{2.5}$ = particulate matter with a diameter less than or equal to 2.5 microns (fine particulate matter); SCAQMD = South Coast Air Quality Management District.
See Appendix A for detailed results.
[a] These estimates reflect control of fugitive dust required by SCAQMD Rule 403 (SCAQMD 2005).

As shown in Table 4, the proposed project's maximum daily construction emissions would not exceed the SCAQMD thresholds for any criteria air pollutant.

Operational Emissions

Operation of the existing pumping plant and the proposed project would generate VOC, NO_X, CO, SO_X, PM_{10}, and $PM_{2.5}$ emissions from area sources, energy sources, and mobile sources, which are discussed following. For the existing pumping plant, operational year 2019 was assumed. For the proposed project, operational year 2024 was assumed based upon construction completion.

Area Sources

CalEEMod was used to estimate operational emissions from area sources, including emissions from consumer product use and architectural coatings. Consumer product VOC emissions are estimated in CalEEMod based on the floor area of nonresidential buildings and on the default factor of pounds of VOC per building square foot per day. The CalEEMod default values for consumer products were assumed.

VOC off-gassing emissions result from evaporation of solvents contained in surface coatings such as in paints and primers used during building maintenance. CalEEMod calculates the VOC evaporative emissions from application of surface coatings based on the VOC emission factor, the building square footage, the assumed fraction of surface area, and the reapplication rate. The VOC emission factor is based on the VOC content of the surface coatings, and SCAQMD's Rule 1113, Architectural Coatings, governs the VOC content for interior and exterior coatings. As a conservative measure, CalEEMod default VOC contents were assumed for the reapplication of architectural coatings.

Landscape maintenance includes fuel combustion emissions from equipment such as blowers, trimmers, and hedge trimmers. The emissions associated from landscape equipment use are estimated based on CalEEMod default values for emission factors (grams per square foot of building space per day) and number of summer days (when landscape maintenance would generally be performed) and winter days. For the SCAB, the average annual number of summer days is estimated at 250 days (CAPCOA 2017).

Energy Sources

As represented in CalEEMod, energy sources include emissions associated with building electricity and natural gas usage (non-hearth). Based on input from the Districts, no natural gas usage would be required for the proposed project. Electricity use would contribute indirectly to criteria air pollutant emissions; however, the emissions from electricity use are only quantified for GHGs in CalEEMod, since criteria pollutant emissions occur at the power plant, which is typically off site.

Mobile Sources

The existing pumping plant and the proposed project both require daily visitation by a pumping plant operator. CalEEMod was used to estimate emissions from proposed vehicular sources (refer to Appendix A). CalEEMod default data, including trip characteristics, emissions factors, and trip distances, were conservatively used for the model inputs. Emission factors representing the vehicle mix and emissions for 2019 and 2024 were used to estimate emissions associated with vehicular sources for the

existing pumping plant and project, respectively. The 2024 operational year represents the first year of project build-out and would represent maximum daily operational emissions.

Stationary Sources

Testing of the 150 kW emergency generator at the existing pumping plant and the proposed 350 kW emergency generator were modeled using CalEEMod, assuming a 1-hour testing duration per day per month. The default emission rates for the existing emergency generator were adjusted based on the age of the equipment (model year 1988) and represent a Tier 1 engine. For the proposed generator, CalEEMod default emission rates were used, which represent a Tier 3 engine.

Table 5, Estimated Maximum Daily Operational Criteria Air Pollutant Emissions, presents the maximum daily emissions associated with operation of the existing pumping plant and the proposed project. The values shown are the maximum summer or winter daily emissions results from CalEEMod. Complete details of the emissions calculations are provided in Appendix A.

Table 5. Estimated Maximum Daily Operational Criteria Air Pollutant Emissions

Emission Source	VOC	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
	pounds per day					
Existing Pumping Plant						
Area	0.02	0.00	<0.01	0.00	0.00	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.01	0.03	0.11	<0.01	0.03	0.01
Stationary	0.33	2.23	2.75	<0.01	0.13	0.13
Total	**0.36**	**2.26**	**2.86**	**<0.01**	**0.16**	**0.14**
Proposed Project						
Area	0.02	<0.01	<0.01	0.00	0.00	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	<0.01	0.02	0.07	<0.01	0.03	0.01
Stationary	0.77	2.15	1.96	<0.01	0.11	0.11
Total	**0.79**	**2.17**	**2.03**	**<0.01**	**0.14**	**0.12**
Net Increase (Project minus Existing)	**0.43**	**(0.09)**	**(0.83)**	**0.00**	**(0.02)**	**(0.02)**
SCAQMD Threshold	*55*	*55*	*550*	*150*	*150*	*55*
Threshold Exceeded?	**No**	**No**	**No**	**No**	**No**	**No**

Notes:
VOC = volatile organic compound; NO_X = oxides of nitrogen; CO = carbon monoxide; SO_X = sulfur oxides; PM_{10} = particulate matter with a diameter less than or equal to 10 microns (coarse particulate matter); $PM_{2.5}$ = particulate matter with a diameter less than or equal to 2.5 microns (fine particulate matter); SCAQMD = South Coast Air Quality Management District.
See Appendix A for complete results.
Numbers in parentheses represent negative numbers (i.e., a reduction in emissions for the project as compared to the existing pump station). Values of "<0.01" indicate that the estimated emissions are less than two decimals. The values shown are the maximum summer or winter daily emissions results from CalEEMod. The total values may not add up exactly due to rounding.

As shown in Table 5, the maximum net increase in daily operational emissions of VOC, NO_X, CO, SO_X, PM_{10}, and $PM_{2.5}$ generated by the proposed project would not exceed the SCAQMD's significance thresholds.

Air pollution is largely a cumulative impact. The nonattainment status of regional pollutants is a result of past and present development, and 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 in the determination of whether a project's individual emissions would have a cumulatively considerable contribution on air quality. If a project's emissions would exceed the SCAQMD 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 (SCAQMD 2003).

As discussed previously, the SCAB has been designated as a federal nonattainment area for O_3 and $PM_{2.5}$, and a state nonattainment area for O_3, PM_{10}, and $PM_{2.5}$. The nonattainment status is the result of cumulative emissions from various sources of air pollutants and their precursors within the SCAB, including motor vehicles, off-road equipment, and commercial and industrial facilities. Construction and operational activities of the proposed project would generate VOC and NO_X emissions (precursors to O_3) and emissions of PM_{10} and $PM_{2.5}$. However, as indicated in Tables 4 and 5, project-generated emissions would be minimal and would not exceed the SCAQMD emission-based significance thresholds for VOCs, NO_X, PM_{10}, or $PM_{2.5}$.

Cumulative localized impacts would potentially occur if a project were to occur concurrently with another off-site project. Schedules for potential future projects near the project area are currently unknown; therefore, potential impacts associated with two or more simultaneous projects would be considered speculative.[4] However, future projects would be subject to CEQA and would require air quality analysis and, where necessary, mitigation. Criteria air pollutant emissions associated with construction activity of future projects would be reduced through implementation of control measures required by SCAQMD. Cumulative PM_{10} and $PM_{2.5}$ emissions would be reduced because all future projects would be subject to SCAQMD Rule 403, Fugitive Dust, which sets forth general and specific requirements for all sites in the SCAQMD.

Therefore, the proposed project would not result in a cumulatively considerable increase in emissions of nonattainment pollutants, and impacts would be less than significant during construction and operation.

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

Less-Than-Significant Impact. The proposed project would not expose sensitive receptors to substantial pollutant concentrations as evaluated below.

Sensitive Receptors

Sensitive receptors are those individuals more susceptible to the effects of air pollution than the population at large. People most likely to be affected by air pollution include children, the elderly, and people with cardiovascular and chronic respiratory diseases. According to SCAQMD, sensitive receptors include sites such as residences, schools, playgrounds, childcare centers, long-term healthcare facilities, rehabilitation centers, convalescent centers, and retirement homes (SCAQMD 1993).

[4] The CEQA Guidelines state that if a particular impact is too speculative for evaluation, the agency should note its conclusion and terminate discussion of the impact (14 CCR 15145).

There are existing residences located to the southeast and to the west of the project site, with the nearest in each direction at approximately 220 feet and 370 feet, respectively.

Localized Significance Thresholds

SCAQMD recommends a localized significance threshold (LST) analysis to evaluate localized air quality impacts to sensitive receptors in the immediate vicinity of the proposed project resulting from project activities. The impacts were analyzed using methods consistent with those in SCAQMD's Final Localized Significance Threshold Methodology (SCAQMD 2008a). The proposed project is located within Source Receptor Area 3, Southwest Los Angeles County Coastal. This analysis applies the SCAQMD LST values for a 1-acre site within Source Receptor Area 3 with a receptor distance of 50 meters (164 feet), which is conservative given that daily disturbed area for the proposed project would be less than 1 acre and the nearest sensitive receptor would be 220 feet away.

Project construction activities would result in temporary sources of on-site criteria air pollutant emissions associated with off-road equipment exhaust and fugitive dust generation. According to the Final Localized Significance Threshold Methodology, "off-site mobile emissions from the project should not be included in the emissions compared to the LSTs" (SCAQMD 2008a). Trucks and worker trips associated with the proposed project are not expected to cause substantial air quality impacts to sensitive receptors along off-site roadways since emissions would be relatively brief in nature and would cease once the vehicles pass through the main streets. Therefore, off-site emissions from trucks and worker vehicle trips are not included in the LST analysis. The maximum daily on-site emissions generated by construction of the proposed project in each construction year are presented in Table 6, Construction Localized Significance Thresholds Analysis, and compared to the SCAQMD localized significance criteria for Source Receptor Area 3 to determine whether project-generated on-site emissions would result in potential LST impacts.

Table 6. Construction Localized Significance Thresholds Analysis

Year	NO_2	CO	PM_{10}	$PM_{2.5}$
	pounds per day (on site)[a]			
2021	7.25	7.57	0.44	0.39
2022	9.79	10.07	0.90	0.71
2023	6.42	7.10	0.32	0.29
Maximum	*9.79*	*10.07*	*0.90*	*0.71*
SCAQMD LST Criteria	*93*	*785*	*14*	*5*
Threshold Exceeded?	**No**	**No**	**No**	**No**

Source: SCAQMD 2008a.
Notes: NO_2 = nitrogen dioxide; CO = carbon monoxide; PM_{10} = particulate matter with a diameter less than or equal to 10 microns (coarse particulate matter); $PM_{2.5}$ = particulate matter with a diameter less than or equal to 2.5 microns (fine particulate matter); SCAQMD = South Coast Air Quality Management District; LST = localized significance threshold.
See Appendix A for detailed results. These estimates reflect control of fugitive dust required by SCAQMD Rule 403 (SCAQMD 2005).
[a] Localized significance thresholds are shown for a 1-acre disturbed area corresponding to a distance to a sensitive receptor of 50 meters in Source Receptor Area 3, Southwest Los Angeles County Coastal.

As shown in Table 6, proposed construction activities would not generate emissions in excess of site-specific LSTs; therefore, localized impacts of the proposed project would be less than significant.

CO Hotspots

Traffic-congested roadways and intersections have the potential to generate localized high levels of CO. Localized areas where ambient concentrations exceed federal and/or state standards for CO are termed "CO hotspots." The transport of CO is extremely limited, as it disperses rapidly with distance from the source. Under certain extreme meteorological conditions, however, CO concentrations near a congested roadway or intersection may reach unhealthy levels, affecting sensitive receptors. Typically, high CO concentrations are associated with severely congested intersections operating at an unacceptable level of service (LOS) (LOS E or worse is unacceptable). Projects contributing to adverse traffic impacts may result in the formation of a CO hotspot. Additional analysis of CO hotspot impacts would be conducted if a project would result in a significant impact or contribute to an adverse traffic impact at a signalized intersection that would potentially subject sensitive receptors to CO hotspots.

Code of Federal Regulations title 40, section 93.123(c)(5), Procedures for Determining Localized CO, PM_{10}, and $PM_{2.5}$ Concentrations (Hot-Spot Analysis), states that "CO, PM_{10}, and $PM_{2.5}$ hot-spot analyses are not required to consider construction-related activities, which cause temporary increases in emissions. Each site that is affected by construction-related activities shall be considered separately, using established 'Guideline' methods. Temporary increases are defined as those which occur only during the construction phase and last 5 years or less at any individual site." Although project construction would involve on-road vehicle trips from trucks and workers during construction, construction activities would last approximately 30 months and would not require a project-level construction hotspot analysis. Furthermore, because the proposed project would not result in an increase in long-term operational vehicular trips, an operational CO hotspot evaluation also is not required.

Accordingly, the proposed project would not generate traffic that would contribute to potential adverse traffic impacts that may result in the formation of CO hotspots. In addition, because of continued improvement in vehicular emissions at a rate faster than the rate of vehicle growth and/or congestion, the potential for CO hotspots in the SCAB is steadily decreasing. Based on these considerations, the proposed project would result in a less-than-significant impact to air quality from potential CO hotspots.

Toxic Air Contaminants

TACs are defined as substances that may cause or contribute to an increase in deaths or in serious illness, or that may pose a present or potential hazard to human health. As discussed under the LST analysis, the nearest sensitive receptors to the proposed project are residences located approximately 220 feet from the proposed construction area. Health effects from carcinogenic air toxics are usually described in terms of cancer risk. SCAQMD recommends an incremental cancer risk threshold of 10 in 1 million. "Incremental cancer risk" is the net increased likelihood that a person continuously exposed to concentrations of TACs resulting from a project over a 9-, 30-, and 70-year exposure period will contract cancer based on the use of standard California Office of Environmental Health Hazard Assessment risk-assessment methodology (OEHHA 2015). In addition, some TACs have non-carcinogenic effects. SCAQMD recommends a Hazard Index of 1 or more for acute (short-term) and chronic (long-term) non-carcinogenic effects.[5] The TAC that would potentially be emitted during construction activities associated with development of the proposed project would be diesel particulate matter.

[5] Non-cancer adverse health risks are measured against a hazard index, which is defined as the ratio of the predicted incremental exposure concentrations of the various non-carcinogens from the proposed project to published reference exposure levels that can cause adverse health effects.

Diesel particulate matter emissions would be emitted from heavy equipment operations and heavy-duty trucks. Heavy-duty construction equipment is subject to a CARB Airborne Toxics Control Measure for diesel construction equipment to reduce diesel particulate emissions. As described for the LST analysis, PM_{10} (representative of diesel particulate matter) exposure would be minimal. According to the Office of Environmental Health Hazard Assessment, health risk assessments, which determine the exposure of sensitive receptors to toxic emissions, should be based on a 30-year exposure period for the maximally exposed individual resident; however, such assessments should be limited to the period and duration of activities associated with the proposed project. The duration of the proposed construction activities would only constitute a small percentage of the total 30-year exposure period. The construction period for the proposed project would be approximately 30 months, after which construction-related TAC emissions would cease. Because of this relatively short period of exposure and minimal particulate emissions on site, TACs generated during construction would not be expected to result in concentrations causing significant health risks.

Regarding long-term sources of TAC emissions, the proposed project would result in the replacement of the existing older 150 kW emergency diesel generator with a newer 350 kW emergency diesel generator. Although the proposed project includes a generator with more horsepower, the newer generator would result in a reduction in PM_{10} emissions (which is a surrogate for diesel exhaust), as depicted in Table 5, Estimated Maximum Daily Operational Criteria Air Pollutant Emissions. Thus, the proposed project would result in a reduction in long-term TAC emissions.

Based on these considerations, the proposed project would not result in substantial TAC exposure to sensitive receptors in the vicinity of the proposed project, and impacts would be less than significant.

Health Impacts of Criteria Air Pollutants

Operation of the proposed project would generate criteria air pollutant emissions; however, the proposed project would not exceed the SCAQMD mass-emission thresholds.

The SCAB is designated as nonattainment for O_3 for the NAAQS and CAAQS. Thus, existing O_3 levels in the SCAB are at unhealthy levels during certain periods. The health effects associated with O_3 generally result in reduced lung function. Because the proposed project would not involve activities that would result in O_3 precursor emissions (i.e., VOCs or NO_X) that would exceed the SCAQMD thresholds, as shown in Tables 4 and 5, the proposed project is not anticipated to substantially contribute to regional O_3 concentrations and their associated health impacts during construction or operation.

In addition to O_3, NO_X emissions contribute to potential exceedances of the NAAQS and CAAQS for NO_2. Exposure to NO_2 and NO_X can irritate the lungs, cause bronchitis and pneumonia, and lower resistance to respiratory infections. As shown in Tables 4 and 5, the construction and operation of the proposed project would not exceed the SCAQMD NO_X threshold, and existing ambient NO_2 concentrations would be below the NAAQS and CAAQS. Thus, the proposed project is not expected to result in exceedances of the NO_2 standards or contribute to associated health effects.

CO tends to be a localized impact associated with congested intersections. In terms of adverse health effects, CO competes with oxygen, often replacing it in the blood, thereby reducing the blood's ability to transport oxygen to vital organs. The results of excess CO exposure can include dizziness, fatigue, and impairment of central nervous system functions. CO hotspots were discussed previously as a less-than-significant impact. Thus, the proposed project's CO emissions would not contribute to the health effects associated with this pollutant.

The SCAB is designated as a nonattainment area for PM_{10} under the CAAQS and for $PM_{2.5}$ under the NAAQS and CAAQS. Particulate matter contains microscopic solids or liquid droplets that are so small that they can be transmitted into the lungs and cause serious health problems. Particulate matter exposure has been linked to a variety of problems, including premature death in people with heart or lung disease; nonfatal heart attacks; irregular heartbeat; aggravated asthma; decreased lung function; and increased respiratory symptoms such as irritation of the airways, coughing, or difficulty breathing (EPA n.d.). As with O_3 and NO_X, and as shown in Tables 4 and 5, the proposed project would not generate emissions of PM_{10} or $PM_{2.5}$ that would exceed the SCAQMD's thresholds. Accordingly, the proposed project's PM_{10} and $PM_{2.5}$ emissions are not expected to cause an increase in related health effects for this pollutant.

In summary, the proposed project would not make a potentially significant contribution to regional concentrations of nonattainment pollutants, and would not result in a significant contribution to the adverse health impacts associated with those pollutants. Therefore, impacts would be less than significant.

d) Would the project 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 depend on numerous factors. The nature, frequency, and intensity of the source; wind speed and direction; and the sensitivity of receiving location each contributes to the intensity of the impact. Although offensive odors seldom cause physical harm, they can be annoying, cause distress, and generate citizen complaints.

SCAQMD provides a list of land uses associated with odor concerns, which include agricultural uses, wastewater treatment plants, food-processing plants, chemical plants, composting, refineries, landfills, dairies, and fiberglass molding (SCAQMD 1993). The proposed project would include replacement of an existing pumping plant, which is not anticipated to generate new odors or increase emissions of odors, it is not one of the types of land uses identified in SCAQMD's screening criteria.

During project construction, exhaust from equipment may produce discernible odors typical of most construction sites. Potential odors produced during construction would be attributable to concentrations of unburned hydrocarbons from the tailpipes of construction equipment. However, such odors would disperse rapidly from the project site and generally occur at magnitudes that would not affect substantial numbers of people. Accordingly, impacts associated with odors during construction would be less than significant.

3.4 Biological Resources

a) Would the project 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 Game or U.S. Fish and Wildlife Service?

No Impact. The project site is located in a developed part of the City and is surrounded by a predominantly urbanized mix of land uses, including commercial and residential. Open space resources within the City include parks and other recreational facilities, such as public school facilities and ball fields; landscaped medians; open area occupied by utilities, such as flood control channels and utility

easements; and private recreational facilities (City of Gardena 2006a). The nearest open space areas include the Dominguez Channel and the landscaped median located on Artesia Boulevard. However, no native habitat is located on the project site or in the immediately surrounding area. On-site plant species are limited to non-native grasses and one tree located to the east of the existing plant superstructure. These non-native, ornamental plant species form a non-cohesive plant community that is not known to support any candidate, sensitive, or special-status plant species. Based on the developed nature of the project site and surrounding area, wildlife species that could occur on site include common species typically found in urbanized settings, such as house sparrow (*Passer domesticus*), mourning dove (*Zenaida macroura*), and western fence lizard (*Sceloporus occidentalis*). Based on specific habitat requirements, none of these, or any other wildlife species that can reasonably be expected to occur on the project site, is a candidate, sensitive, or special-status wildlife species.

Because of the highly disturbed nature of the project site and the auto-related commercial activity around the site, it is unlikely that the existing trees located east of the existing superstructure would provide desirable nesting opportunities for bird/raptor species, especially considering that more-suitable nesting options likely occur within the broader project area. Therefore, no impacts associated with candidate, sensitive, or special-status species would occur.

b) Would the project 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 Game or U.S. Fish and Wildlife Service?

No Impact. The project site is located entirely on developed and disturbed land. No natural vegetation communities are present within the project site. Therefore, no impacts associated with riparian or sensitive vegetation communities would occur.

c) Would the project 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. A concrete flood control channel, the Dominguez Channel, is located approximately 160 feet to the east of the project site. The proposed project would be subject to typical restrictions (e.g., best management practices [BMPs]) and requirements that address erosion and runoff, including those of the Clean Water Act and National Pollutant Discharge Elimination System (NPDES) permit. Compliance with existing regulations would ensure that construction activities would not adversely affect jurisdictional waters. Additionally, all construction activities would be limited to developed and disturbed land with appropriate setbacks from the nearby channel. Further, a review of the U.S. Fish and Wildlife Service National Wetlands Inventory did not identify the project site as containing any blue-line streams or wetland habitats (USFWS 2019). Because of the urbanized nature of the project site, as well as the absence of wetlands located on site and compliance with regulations, the proposed project would not result in substantial adverse effect on state or federally protected wetlands. Therefore, there would be no potential impacts to jurisdictional waters.

d) Would the project 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?

No Impact. Wildlife corridors are linear, connected areas of natural open space that provide avenues for migration of animals. Habitat linkages are small patches that join larger blocks of habitat and help reduce the adverse effects of habitat fragmentation; they may be continuous habitat or discrete habitat islands that function as stepping stones for wildlife dispersal.

The project site is entirely developed, disturbed, and contains a very small patch of non-native grasses and one tree located to the east of the existing plant superstructure. Although some local movement of wildlife is expected to occur within the City, the City of Gardena is not recognized as an existing or proposed Significant Ecological Area that links migratory populations, as designated by the County of Los Angeles (Department of Regional Planning 2015).

The project site is located within a highly urbanized area and would not interfere with the movement of any native residents, migratory fish, or wildlife species. Therefore, no impacts associated with wildlife movement or wildlife corridors would occur.

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

No Impact. The City's Municipal Code chapter 13.60.080 requires a trimming permit, tree-removal permit, and/or a tree-planting permit for cutting, trimming, pruning, planting, removing, injuring, or interfering with any tree, shrub, or plant upon any street or public place in the City. The only trees located on the project site are within existing property owned by the Districts; therefore, any removal of existing trees would not conflict with chapter 13.60.080 of the municipal code (City of Gardena 2018). Therefore, no impacts associated with local policies or ordinances protecting biological resources would occur.

f) Would the project 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. According to California Department of Fish and Wildlife's plan area boundaries for natural community conservation plans/habitat conservation plans, the project site is not located within an adopted natural community conservation plan/habitat conservation plan area (CDFW 2017). The City has adopted a conservation plan as part of the general plan, which includes goals and policies related to the Willows Wetlands, groundwater resources, solid waste, energy resources, and cultural resources (City of Gardena 2006c). Implementation of the proposed project would not conflict with these goals and policies. Therefore, no impacts associated with an adopted conservation plan would occur.

3.5 Cultural Resources

The following analysis is based on the cultural resources technical report prepared by Dudek in March 2019, and included as Appendix B. The report involved the completion of a California Historical Resources Information System (CHRIS) records search, outreach with the Native American Heritage Commission (NAHC) and local Native

American individuals and/or tribal organizations, a pedestrian survey of the project area for built environment resources, and recordation and evaluation of three built environment resources for historical significance.

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

Less-Than-Significant Impact. As part of preparation for the cultural resources technical report, a CHRIS records search from the South Central Coastal Information Center, which houses cultural resources records for Los Angeles County, was requested. The CHRIS search included any previously recorded cultural resources and investigations within a 1-mile radius of the project site. Additional consulted sources included historical maps of the project site; the National Register of Historic Places (NRHP); the California Register of Historical Resources (CRHR); the California Historic Property Data File; and the lists of California State Historical Landmarks, California Points of Historical Interest, and the Archaeological Determinations of Eligibility.

Results of the CHRIS search indicate that 27 previously conducted studies (1974 through 2013) were identified within the 1-mile records search radius. One of the studies, LA-10333 overlaps the project site, and one study, LA- 10106, is directly adjacent to the southern border of the project site. Neither of these studies yielded cultural resources or sites. Additionally, the CHRIS records search identified four previously recorded cultural resources within a 1-mile radius of the project site; however, none of these cultural resources is located within the project site. Three of the resources are historic built-environment resources—Dominguez Slough (P-19-177369), Gardena High School (P-19-190006), and a steel lattice transmission tower (P-19-190646)—and one resource is a historic refuse deposit dating from the 1930s to the 1960s (P-19-004644). None of these resources has been found eligible for listing on the NRHP, CRHR, or local designations).

The cultural resources report also involved a field survey of the project site, conducted on January 8, 2019. During the survey, all accessible portions of the buildings that were visible from the public right-of-way were documented. The surveyed sources consisted of three buildings on the north side of Artesia Boulevard: the Gardena Pumping Plant at 1919 West Artesia Boulevard (APN 4094-007-903), the Majestic Lighting building at 1923 West Artesia Boulevard (APN 4094-007-005), and the E-S Technical Motorsports building at 1931 West Artesia Boulevard (APN 4094-007-004).

As defined by the CEQA Guidelines (14 CCR 15000 et seq.), a "historical resource" is considered to be a resource that is listed in or eligible for listing in the NRHP or CRHR, has been identified as significant in a historical resource survey, or is listed on a local register of historical resources.

The criteria for listing resources in the CRHR were developed to be in accordance with previously established criteria developed for listing in the NRHP. Thus, the criteria listed as follows are expressed in accordance with the NRHP criteria. According to Public Resources Code Section 5024.1(c)(1–4), a resource is considered historically significant if it (i) retains "substantial integrity" and (ii) meets at least one of the following criteria:

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

Under CEQA, a project may have a significant effect on the environment if it causes "a substantial adverse change in the significance of an historical resource" (Public Resources Code Section 21084.1; 14 CCR 15064.5(b)). If a site is listed or eligible for listing in the CRHR, or included in a local register of historic resources, or identified as significant in a historical resources survey (meeting the requirements of Public Resources Code section 5024.1(q)), it is a historical resource and is presumed to be historically or culturally significant for the purposes of CEQA (Public Resources Code Section 21084.1; 14 CCR 15064.5(a)). The Gardena Pumping Plant, the Majestic Lighting building, and the E-S Technical Motorsports building were evaluated in consideration of NRHP/CRHR designation criteria. The significance evaluation for each building is as follows:

Gardena Pumping Plant

NRHP/CRHR Statement of Significance

Criterion A/1: Associated with events that have made a significant contribution to the broad patterns of our history.

Archival research identified that the original 1928 Gardena Pumping Plant was likely designed and built during the initial Districts' campaign to build out Sanitation District No. 5 infrastructure, including sewer trunk lines, branch lines, wells, and other pumping stations. District No. 5's infrastructure was built concurrently with infrastructure for District Nos. 1, 2, 3, 4, and 8. This was part of a Los Angeles County–wide push for sanitation infrastructure in the early twentieth century to accommodate population growth in the proposed sanitation districts and to promote or entice industrial development to establish in Los Angeles County. However, the role of the Gardena Pumping Plant in this campaign is trivial. The subject pumping plant was one of several plants working as part of a larger infrastructure system to keep sewage moving to the outfall at White's Point. Moreover, the building has undergone several alterations and a large addition from 1960 that have diminished its integrity and its ability to convey an association with the 1925–1930 Sanitation District infrastructure project. Therefore, the Gardena Pumping Plant does not appear eligible under NRHP/CRHR Criterion A/1.

Criterion B/2: Associated with the lives of persons significant in our past.

Archival research yielded no known associations with important figures in national, state, or local history. Therefore, the Gardena Pumping Plant does not appear eligible under NRHP/CRHR Criterion B/2.

Criterion C/3: Embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction.

The Gardena Pumping Plant is not a distinctive or remarkable example of the early twentieth century commercial style, and it has had several major alterations, including new doors, window infill, and a 1960 addition clearly visible from the main elevation. It retains some minor character-defining features such as the decorative basket-weave brickwork on the 1928 building, and the belt course and dentil band below the parapet. A Districts engineer designed the Gardena Pumping Plant, but the name of the designer could not be determined from the engineering plans. The building does not possess high artistic value and is not a significant or distinguishable entity. For all of these reasons, the Gardena Pumping Plant does not appear eligible under NRHP/CRHR Criterion C/3.

Criterion D/4: Have yielded, or may be likely to yield, information important in prehistory or history.

There is no evidence to suggest that the Gardena Pumping Plant has the potential to yield information important to national, state, or local history, nor is it associated with a known archaeological resource. Therefore, the Gardena Pumping Plant is recommended not eligible under NRHP/CRHR Criterion D/4.

Integrity Discussion

Location: The Gardena Pumping Plant is sited on the original location of construction in its original orientation. Therefore, the Gardena Pumping Plant retains integrity of location.

Design: The Gardena Pumping Plant was subjected to several extensive exterior alterations over time that compromise its integrity of design, including a 1960 addition visible from the main elevation, rendered in a different style with window infill on the west, north, and east elevations; a new door; and arched entry infill for the 1928 building. Therefore, the Gardena Pumping Plant does not retain integrity of design.

Setting: The setting of the Gardena Pumping Plant has changed significantly since the original 1928 building was built, including the slow replacement of orchards and agricultural fields with small-scale industrial and commercial buildings and complete urbanization of the Gardena Valley area. Therefore, Gardena Pumping Plant does not retain integrity of setting.

Materials: Numerous alterations to the Gardena Pumping Plant have compromised the property's material integrity, including a 1960 addition, window infill, and new doors. Even though brick material was used for the 1960 addition and window infill, there has been material loss of all original fenestration. Therefore, Gardena Pumping Plant no longer retains integrity of materials.

Workmanship: Similar to the issue with materials, the physical evidence of a craftsman's skills in constructing the original Gardena Pumping Plant building was compromised by the alterations and additions. Therefore, the Gardena Pumping Plant no longer retains its integrity of workmanship.

Feeling: The Gardena Pumping Plant does not convey the feeling of an early twentieth century utility building, since subsequent alterations and additions negatively affected the building's ability to convey this feeling. Therefore, the Gardena Pumping Plant no longer retains integrity of feeling.

Association: An important historical association between the Gardena Pumping Plant and efforts to introduce comprehensive sewerage throughout Los Angeles County was noted, but subsequent alterations and additions have diminished this historical association. Therefore, the Gardena Pumping Plant no longer retains integrity of association.

In summary, the Gardena Pumping Plant appears not to be eligible under all NRHP and CRHR designation criteria. Further, the Gardena Pumping Plant only retains integrity of location and, therefore, does not maintain the requisite integrity to warrant listing in the NRHP or CRHR.

Majestic Lighting

NRHP/CRHR Statement of Significance

In consideration of the project site's history and requisite integrity, 1923 West Artesia Boulevard is recommended not to be eligible for listing in the NRHP or CRHR based on the following significance evaluation.

Criterion A/1: Associated with events that have made a significant contribution to the broad patterns of our history.

Archival research did not identify any associations with events that have made a significant contribution to the broad patterns of local or regional history. Neither 1923 West Artesia Boulevard nor its current tenant, Majestic Lighting, is associated with any locally important events in the City of Gardena. Because of a lack of significant associations with events important to history, 1923 West Artesia Boulevard does not appear eligible under NRHP/CRHR Criterion A/1.

Criterion B/2: Associated with the lives of persons significant in our past.

Archival research yielded no known associations with important figures in national, state, or local history. Therefore, 1923 West Artesia Boulevard does not appear eligible under NRHP/CRHR Criterion B/2.

Criterion C/3: Embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction.

1923 West Artesia Boulevard is not a distinctive or remarkable example of the Mid-Century Modern architectural style. H.L. Standefer, the architect listed on the building plans, is not identified as a master architect. Further, the building does not possess high artistic value and is not eligible as a contributor to a historic district. For all of these reasons, 1923 West Artesia Boulevard does not appear eligible under NRHP/CRHR Criterion C/3.

Criterion D/4: Have yielded, or may be likely to yield, information important in prehistory or history.

There is no evidence to suggest that 1923 West Artesia Boulevard has the potential to yield information important to national, state, or local history, nor is it associated with a known archaeological resource. Therefore, 1923 West Artesia Boulevard is recommended not eligible under NRHP/CRHR Criterion D/4.

Integrity Discussion

Location: 1923 West Artesia Boulevard is sited on the original location of construction in its original orientation. Therefore, 1923 West Artesia Boulevard retains integrity of location.

Design: 1923 West Artesia Boulevard has not had significant, visible alterations over time that have compromised its integrity of design. It has not changed its layout, architectural style, or decoration since it was constructed in 1957. Therefore, 1923 West Artesia Boulevard retains integrity of design.

Setting: The setting of 1923 West Artesia Boulevard remains relatively unchanged since its construction in 1957. The north side of West Artesia Boulevard was populated between 1954 and 1960, and the size, massing, scale, and types of businesses have not changed in subsequent years. Therefore, 1923 West Artesia Boulevard retains integrity of setting.

Materials: 1923 West Artesia Boulevard has not had significant, visible exterior alterations over time that have compromised its integrity of materials. This is corroborated by the list of alterations on file with the City of Gardena's Community Development Department. Therefore, 1923 West Artesia Boulevard retains integrity of materials.

Workmanship: 1923 West Artesia Boulevard has not been altered on the exterior. Evidence of original workmanship, including the stone veneer decoration, are still present. Therefore, 1923 West Artesia Boulevard retains integrity of workmanship.

Feeling: 1923 West Artesia Boulevard retains integrity and still successfully conveys the feeling of being a 1950s Mid-Century Modern small-scale commercial building, and it has not experienced significant alterations that would significantly impact the building's ability to convey this feeling. Therefore, the 1923 West Artesia Boulevard retains integrity of feeling.

Association: No important historical associations with events or people were identified for the subject property.

In summary, 1923 West Artesia Boulevard retains integrity, including integrity of location, design, setting, materials, workmanship, and feeling. However, the subject property appears not to be eligible under all NRHP and CRHR designation criteria for lack of important associations and lack of distinctive characteristics of a style or a master architect.

E-S Technical Motorsports

NRHP/CRHR Statement of Significance

In consideration of the project site's history and requisite integrity, 1931 West Artesia Boulevard is recommended not eligible for listing in the NRHP or CRHR based on the following significance evaluation.

Criterion A/1: Associated with events that have made a significant contribution to the broad patterns of our history.

Archival research did not identify any associations with events that have made a significant contribution to the broad patterns of local or regional history. Neither 1931 West Artesia Boulevard, its current tenant, E-S Technical Motorsports, nor previous tenants are associated with any locally important events in the City of Gardena. Because of a lack of significant associations with events important to history, 1931 West Artesia Boulevard does not appear eligible under NRHP/CRHR Criterion A/1.

Criterion B/2: Associated with the lives of persons significant in our past.

Archival research yielded no known associations with important figures in national, state, or local history. Therefore, 1931 West Artesia Boulevard does not appear eligible under NRHP/CRHR Criterion B/2.

Criterion C/3: Embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction.

The building at 1931 West Artesia Boulevard is not a distinctive or remarkable example of the Mid-Century Modern architectural style. The building also does not have an identified architect or a master architect. Further, the building does not possess high artistic value and is not eligible as a contributor to a historic district. For all of these reasons, 1931 West Artesia Boulevard does not appear eligible under NRHP/CRHR Criterion C/3.

Criterion D/4: Have yielded, or may be likely to yield, information important in prehistory or history.

There is no evidence to suggest that 1931 West Artesia Boulevard has the potential to yield information important to national, state, or local history, nor is it associated with a known archaeological resource. Therefore, 1931 West Artesia Boulevard is recommended not eligible under NRHP/CRHR Criterion D/4.

Integrity Discussion

Location: 1931 West Artesia Boulevard is sited on the original location of construction in its original orientation. Therefore, 1931 West Artesia Boulevard retains integrity of location.

Design: 1931 West Artesia Boulevard has not had significant, visible alterations over time that have compromised its integrity of design. It has not changed its layout, architectural style, or decoration since it was constructed in 1954. Therefore, 1931 West Artesia Boulevard retains integrity of design.

Setting: The setting of 1931 West Artesia Boulevard remains relatively unchanged since its construction in 1954. The north side of West Artesia Boulevard, between Gramercy Place and the Dominguez Channel, was mostly agricultural land before becoming populated with small-scale commercial buildings between 1954 and 1960. The size, massing, scale, and types of businesses have not changed in subsequent years. Therefore, 1931 West Artesia Boulevard retains integrity of setting.

Materials: 1931 West Artesia Boulevard has not had significant, visible exterior alterations over time that have compromised its integrity of materials. This is corroborated by the list of alterations on file with the City of Gardena's Community Development Department. Therefore, 1931 West Artesia Boulevard retains integrity of materials.

Workmanship: 1931 West Artesia Boulevard has not been altered on the exterior. Therefore, 1931 West Artesia Boulevard retains integrity of workmanship.

Feeling: 1931 West Artesia Boulevard still successfully conveys the feeling of being a 1950s Mid-Century Modern small-scale commercial building, and it has not experienced significant alterations that would significantly impact the building's ability to convey this feeling. Therefore, 1931 West Artesia Boulevard retains integrity of feeling.

Association: No important historical associations with events or people were identified for 1931 West Artesia Boulevard.

In summary, 1931 West Artesia Boulevard retains integrity, including integrity of location, design, setting, materials, workmanship, and feeling. However, the subject property appears not to be eligible under all NRHP and CRHR designation criteria for lack of important associations and lack of distinctive characteristics of a style or a master architect.

Summary

As a result of the background research, field survey, and property significance evaluations, the Gardena Pumping Plant, the 1923 West Artesia Boulevard, and the 1931 West Artesia Boulevard buildings appear not eligible for the NRHP or CRHR because of a lack of significant historical associations, a lack of architectural merit, and/or compromised integrity. Therefore, these properties are not considered historical resources for the purposes of CEQA. Impacts associated with historical resources would be less than significant.

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

Less-Than-Significant Impact With Mitigation Incorporated. As discussed previously in Section 3.5(a), a CHRIS records search from the South Central Coastal Information Center, which houses cultural resources records for Los Angeles County, was performed. The CHRIS search included any previously recorded cultural resources and investigations within a 1-mile radius of the project site. Results of the CHRIS search indicate that 27 previously conducted studies (1974 through 2013) were identified within the 1-mile records search radius. One of the studies, LA-10333, overlaps the project site, and one study, LA- 10106, is directly adjacent to the southern border of the project site. Neither of these studies yielded cultural resources or sites. Additionally, the CHRIS records search identified four previously recorded cultural resources within a 1-mile radius of the project site; however, none of these cultural resources are located within the project site.

In addition to the CHRIS records search, a Sacred Lands File search was conducted for the project site and surrounding area by NAHC to determine presence of prehistoric cultural resources within the project area. NAHC responded on January 25, 2019, indicating that the search failed to indicate the presence of Native American cultural resources for the project site. However, because negative results do not preclude the presence of Native American cultural resources within the area, NAHC also suggested contacting Native American groups and/or individuals who may have knowledge of cultural resources in the project area, and provided a list of five such interested parties. Letters regarding the proposed project were sent on January 29, 2019 to all five individuals listed on the NAHC consultation list.[6]

No archaeological resources were identified within the project site as a result of the records search or NAHC Sacred Lands File search. However, it is always possible that intact archaeological deposits are present at subsurface levels. For this reason, the project site should be treated as potentially sensitive for archaeological resources. Therefore, mitigation measures MM-CUL-1 and MM-CUL-2 are recommended to reduce potential impacts to unanticipated archaeological resources to less-than-significant levels.

[6] This outreach was conducted for informational purposes only and did not constitute formal government-to-government consultation as specified by AB 52.

MM-CUL-1 To reduce potential impacts to unanticipated cultural resources during project implementation, all construction personnel shall undergo Worker Environmental Awareness Program (WEAP) training to ensure that any unanticipated archaeological discoveries are treated appropriately. The WEAP training shall provide specific details on the kinds of archaeological materials that may be identified during project implementation.

MM-CUL-2 In the event that archaeological resources (sites, features, or artifacts) are exposed during construction activities for the proposed project, all construction work occurring within 100 feet of the find shall immediately stop until a qualified archaeologist who meets the Secretary of the Interior's Professional Qualification Standards can evaluate the significance of the find and determine whether or not additional study is warranted. Should it be required, temporary flagging may be installed around a resource to avoid any disturbances from construction equipment. Depending on the significance of the find under CEQA (14 California Code of Regulations section 15064.5(f); Public Resources Code section 21082), the archaeologist may record the find to appropriate standards (thereby addressing any data potential) and allow work to continue. If the archaeologist observes the discovery to be potentially significant under CEQA, additional treatment may be required.

With the incorporation of mitigation, impacts associated with archaeological resources would be less than significant.

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

Less-Than-Significant Impact. There are no previously recorded cultural resources on the project site. Because the project site has been previously disturbed, construction activities such as grading are unlikely to uncover previously unknown archaeological resources. Nonetheless, in accordance with California Health and Safety Code Section 7050.5, if potential human remains are found, the lead agency staff and the county coroner must be immediately notified of the discovery. The coroner would provide a determination within 48 hours of notification. No further excavation or disturbance of the identified material, or any material reasonably suspected to overlie additional remains, may occur until a determination has been made. If the County Coroner determines that the remains are, or are believed to be, Native American, the coroner would notify the NAHC within 24 hours. In accordance with Public Resources Code Section 5097.98, the NAHC must immediately notify those persons it believes to be the Most Likely Descendant from the deceased Native American. Within 48 hours of this notification, the Most Likely Descendant would recommend to the lead agency the preferred treatment of the remains and associated grave goods. Therefore, impacts would be less than significant.

3.6 Energy

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

Construction

Less-Than-Significant Impact. Construction of the proposed project would require the use of electric power for as-necessary lighting and electronic equipment. The amount of electricity used during construction would be minimal because typical energy demand stems from the use of electrically powered equipment. This electricity demand would be temporary and would cease upon completion of construction; therefore, the proposed project would not adversely impact the available electricity supply. During construction, natural gas would typically not be consumed on the project site. The majority of the energy used during construction would be from petroleum.

Petroleum would be consumed throughout construction of the proposed project. Fuel consumed by construction equipment would be the primary energy resource expended over the course of construction, and VMT associated with the transportation of construction materials and construction worker commutes also would result in petroleum consumption. However, the proposed project would be required to comply with CARB's Airborne Toxics Control Measure, which restricts heavy-duty diesel vehicle idling time to 5 minutes. Additionally, the petroleum used during construction would be temporary and minimal, and would not be wasteful or inefficient. Therefore, short-term construction impacts associated with energy consumption would be less than significant.

Long-Term Operational Impacts

Less-Than-Significant Impact. The proposed project involves the construction of a consolidated pumping plant to address the existing maintenance issues associated with the existing pumping plant, which currently operates as two functionally separate pumping plants. Regarding energy use, the proposed project would result in similar operations and similar energy demand as under existing conditions. Because the proposed project would consolidate the operations of the pumping plant from two pumps to one pump, the energy required for the proposed project would be less than that currently required. In addition, the pumping plant superstructure would be constructed in accordance with CCR Title 24, Part 6, Energy Efficiency Standards for Residential and Nonresidential Buildings. This would reduce energy consumption for lighting and other energy-using fixtures. Therefore, the proposed project would have a less-than-significant impact upon energy consumption.

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

No Impact. As discussed in Section 3.6(a), the proposed project would not result in wasteful, inefficient, and unnecessary consumption of energy during construction or operation. During construction, the proposed project would comply with CARB's Airborne Toxics Control Measure, which restricts heavy-duty diesel vehicle idling time to 5 minutes. Additionally, energy use during construction would be minimal and temporary. The proposed project would be operated to comply with 2016 Title 24 standards to reduce energy-use in nonresidential structures. Therefore, no impacts associated with the potential of the project to conflict with a state or local renewable energy or energy efficiency plan would occur.

3.7 Geology and Soils

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

i) 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.

No Impact. The project site is not located within an Alquist-Priolo Earthquake Fault Zone (DOC 2019). There are no known active faults projecting toward or extending across the project site. The City's Public Safety Plan identifies the only Alquist-Priolo Earthquake Fault Zone in the northeast portion of the City near El Segundo Boulevard and Vernon Avenue, approximately 3 miles to the northeast of the project site (City of Gardena 2006d). Therefore, the proposed project would not result in impacts associated with known earthquake faults. No impact would occur.

ii) Strong seismic ground shaking?

Less-Than-Significant Impact. Similar to other areas located in the seismically active Southern California region, the City is susceptible to strong ground shaking during an earthquake. During the life of the proposed project, seismic activity associated with active faults can be expected to generate moderate to strong ground shaking at the project site. According to the City's Public Safety Plan, faults that could affect the City include the regional San Andreas and San Jacinto faults and the local Newport-Inglewood, Palos Verdes, Whittier Elsinore, Sierra Madre-Cucamonga, San Fernando, and Raymond Hill fault systems (City of Gardena 2006d). However, the project site is not located within an Alquist-Priolo Earthquake Fault Zone, and the site would not be affected more than any other area in this seismic region.

Additionally, the proposed project would be designed in accordance with all applicable provisions established in the current California Building Code (CBC). Appropriate measures to mitigate and minimize the effects of earthquakes and other geotechnical hazards are included in the CBC, with specific provisions pertaining to seismic load and design. The design and construction of the proposed project in accordance with the CBC would minimize the adverse effects of strong ground shaking to the greatest degree feasible during an earthquake. Compliance with these requirements would reduce the potential risk to both people and structures with respect to strong seismic ground shaking. Therefore, impacts associated with strong seismic ground shaking would be less than significant.

iii) Seismic-related ground failure, including liquefaction?

Less-Than-Significant Impact. Liquefaction takes place when granular materials that are saturated by water lose strength and transform from a solid to a liquid. Liquefaction generally occurs during significant earthquake activity, and structures located on soils such as silt or sand may experience significant damage during an earthquake because of the instability of structural foundations and the moving earth.

According to the City's Public Safety Plan, the area located along Artesia Boulevard and the Dominguez Channel is located within a liquefaction zone identified in the Seismic Hazard Zones Map prepared by DOC (City of Gardena 2006d). As shown on DOC's regulatory map, the property to the east of the project

site is within a liquefaction zone; however, the existing Gardena Pumping Plant parcel and adjacent parcels to the west are not within a liquefaction zone (DOC 2019). Additionally, the project site is located in an area where geologic conditions are generally suitable to support a high density of land uses. The existing Gardena Pumping Plant contains dry/wet wells as deep as 40 feet, and the surrounding soils are able to support the existing development. Thus, it is anticipated that the geologic conditions adjacent to the existing pumping plant could also support the proposed project without risk of seismic ground failure, including liquefaction. Therefore, impacts associated with the liquefaction would be less than significant.

iv) Landslides?

No Impact. The project site and land within the surrounding area is relatively flat and lacks any hillsides or other natural topographic features typically susceptible to landslides. Additionally, according to DOC regulatory maps, the project site is not located in an area susceptible to earthquake-induced landslides (DOC 2019). Any excavation required for construction would be done in a manner that would prevent the creation of unstable slopes, and all disturbed areas would be returned to existing conditions upon completion of construction. Therefore, no impact associated with landslides would occur.

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

Short-Term Construction Impacts

Less-Than-Significant Impact. The proposed project would include earthwork and other construction activities that would disturb surface soils and temporarily leave exposed soil on the ground's surface. To help curb erosion, proposed project construction activities must comply with all applicable federal, state, and local regulations for erosion control. The City, along with other municipalities in Los Angeles County, is required to control pollutant discharges in runoff from construction projects. Under the NPDES permit, the City is obligated to require compliance with runoff pollution mitigation approaches known as BMPs. Construction activities associated with the proposed project would comply with the requirements of Gardena Municipal Code Chapter 8.70, Stormwater and Runoff Pollution Control, which requires post-construction runoff pollution reduction BMPs through implementation of a standard urban stormwater mitigation plan. Typical BMPs include maintaining or creating drainages to convey and direct surface runoff from bare areas and installing physical barriers such as berms, silt fencing, and straw wattles. BMPs designed to reduce and capture soil erosion would reduce impacts associated with the proposed project to less than significant.

Long-Term Operational Impacts

Less-Than-Significant Impact. Following the completion of the construction of the proposed project, the project site would be fully developed and paved. The structural and paved improvements would generally be impervious areas lacking any exposed soils. Collectively, these surfaces would help to stabilize and retain soils on the project site while preventing erosion. Therefore, long-term operational impacts associated with soil erosion and topsoil loss would be less than significant.

c) Would the project 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?

No Impact. The project site is located in an area where geologic conditions are generally suitable to support a high density of land uses, including the existing Gardena Pumping Plant and associated dry/wet wells. The existing Gardena Pumping Plant contains dry/wet wells as deep as 40 feet, and the surrounding soils are able to support the existing development. Thus, it is anticipated that the geologic conditions adjacent to the existing pumping plant could also support the proposed project. Additionally, the proposed project would adhere to the CBC to reduce any potential impacts associated with soil instability. If potentially unstable soils are encountered, modifications would be made based upon the requirements of the California Construction and General Industry Safety Orders, the Occupational Safety and Health Act, current amendments, and the Construction Safety Act. Therefore, there would be no impacts associated with unstable soil.

d) Would the project 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?

No Impact. Expansive soils shrink and swell because of moisture change. These volume changes can result in damage to building foundations, underground utilities, and other subsurface facilities and infrastructure if they are not designed and constructed appropriately to resist changing soil conditions. Expansive soils are often associated with soils of high clay-materials content.

The project site is located in an area where geologic conditions are generally suitable to support a high density of land uses, including the existing Gardena Pumping Plant and associated dry/wet wells. The existing Gardena Pumping Plant contains dry/wet wells as deep as 40 feet, and the surrounding soils are able to support the existing development. Thus, it is anticipated the geologic conditions adjacent to the existing pumping plant could also support the proposed project. Therefore, there would be no impacts associated with expansive soils.

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

No Impact. The project would not result in an increase in wastewater disposal or disposal in a septic tank or alternative wastewater disposal system. As a result, no impact would occur.

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

Less-Than-Significant Impact With Mitigation Incorporated. A paleontological records search request was submitted to the Natural History Museum of Los Angeles County (LACM) on January 11, 2019, and the results were received on January 25, 2019. The results of this search indicated that the museum does not have any vertebrate fossil localities recorded within the project site boundaries or a 1-mile radius buffer; however, it has localities nearby from the same sedimentary deposits that occur subsurface. The closest LACM vertebrate fossil locality from older Quaternary sediments is LACM 4444, which is located just over a mile southwest of the project area within the Mobil Oil Refinery property that yielded a fossil

horse (*Equus*) and whale (Cetacea) at a depth of 15 feet below the ground surface (bgs) (McLeod 2019). The LACM also reported a mammoth (*Mammuthus*) specimen (LACM 2035) which was recovered northwest of the project site near the intersection of Prairie Avenue and 139th Street from an unknown depth. Two more mammoth (*Mammuthus*) specimens were reported by LACM: LACM 3382 was recovered from a depth of 5 feet bgs, east of the project near Wilmington Avenue and Artesia Boulevard, and LACM 1643 was recovered from a depth of 8 to 10 feet bgs along 190th Street near Annalee Avenue (McLeod 2019). Based on these localities and the potential for the discovery of new localities from within the project area, LACM recommended paleontological monitoring of excavations below the upper few feet in areas underlain by Quaternary alluvium and any excavations in areas underlain by older Quaternary deposits (elevated alluvium of Dibblee et al. [1999]).

No paleontological resources were identified within the project area as a result of the institutional records search and desktop geological review. Further, the project site is located within an area that has been previously developed and landscaped, so it is likely underlain by fill materials, at least in part. As such, and because the project area is underlain by older Quaternary alluvium below the fill, the project site is not anticipated to be underlain by unique geologic features. Although the project area has been disturbed by existing land use at the site, intact paleontological resources may be present below the original layer of fill material. Given past fossil discoveries in the surrounding area and the potential for intact, undisturbed Pleistocene-age deposits at a shallow depth, the project site is moderately to highly sensitive for supporting paleontological resources. In the event that intact paleontological resources are located on the project site, ground-disturbing activities associated with construction of the proposed project, such as grading during site preparation and excavations for underground utilities, have the potential to destroy a unique paleontological resource or site. Without mitigation, the potential damage to paleontological resources during construction would be a potentially significant impact. Therefore, mitigation measure MM-GEO-1 is recommended to reduce potential impacts to unanticipated archaeological resources to less-than-significant levels.

MM-GEO-1 Prior to the commencement of any grading activity, the applicant shall retain a qualified paleontologist, subject to the review and approval of the District to ensure the implementation of a paleontological monitoring program. The Society of Vertebrate Paleontology (SVP 2010) defines a qualified paleontologist as having:

1. A graduate degree in paleontology or geology, and/or a publication record in peer reviewed journals; and demonstrated competence in field techniques, preparation, identification, curation, and reporting in the state or geologic province in which the project occurs; an advanced degree is less important than demonstrated competence and regional experience;
2. At least 2 full years' professional experience as assistant to a project paleontologist with administration and project management experience; supported by a list of projects and referral contacts;
3. Proficiency in recognizing fossils in the field and determining significance;
4. Expertise in local geology, stratigraphy, and biostratigraphy; and
5. Experience collecting vertebrate fossils in the field.

The qualified paleontologist shall attend any preconstruction meetings and manage the paleontological monitor(s) if he or she is not doing the monitoring. A paleontological monitor should

be on site during all excavations below the depth of previously disturbed sediments. The Society of Vertebrate Paleontology (SVP 2010) defines a qualified paleontological monitor as having:

1. A Bachelor of Science or Bachelor of Arts degree in geology or paleontology and 1 year's experience monitoring in the state or geologic province of the specific project; an associate degree and/or demonstrated experience showing ability to recognize fossils in a biostratigraphic context and recover vertebrate fossils in the field may be substituted for a degree; an undergraduate degree in geology or paleontology is preferable but is less important than documented experience performing paleontological monitoring; or
2. An Associate of Science or Associate of Arts in geology, paleontology, or biology and a demonstrated 2 years' experience collecting and salvaging fossil materials in the state or geologic province of the specific project; or
3. Enrollment in upper division classes pursuing a degree in the fields of geology or paleontology and 2 years' monitoring experience in the state or geologic province of the specific project; and
4. Monitors must demonstrate proficiency in recognizing various types of fossils, in collection methods, and in other paleontological field techniques."

The paleontological monitor shall monitor construction excavations below a depth of 5 feet bgs in areas underlain by Quaternary alluvium and all excavations in areas underlain by elevated Quaternary alluvium as determined by the qualified paleontologist based on the construction plans. The paleontological monitor shall be equipped with necessary tools for the collection of fossils and associated geological and paleontological data. The monitor shall complete daily logs detailing the day's excavation activities and pertinent geological and paleontological data. In the event that paleontological resources (e.g., fossils) are unearthed during grading, the paleontological monitor shall temporarily halt and/or divert grading activity to allow recovery of paleontological resources. The area of discovery shall be roped off with a 50-foot-radius buffer. Once documentation and collection of the find is completed, the monitor shall remove the rope and allow grading to recommence in the area of the find.

Following the paleontological monitoring program, a final monitoring report shall be submitted to the District for approval. The report shall summarize the monitoring program and include geological observations and any paleontological resources recovered during paleontological monitoring for the proposed project.

With the incorporation of mitigation, impacts associated with paleontological resources would be less than significant.

3.8 Greenhouse Gas Emissions

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

Less-Than-Significant Impact. Climate change refers to any significant change in measures of climate (e.g., temperature, precipitation, or wind patterns) lasting for an extended period of time (i.e., decades or longer). Earth's temperature depends on the balance between energy entering and leaving the planet's

system, and many factors (natural and human) can cause changes in Earth's energy balance. The greenhouse effect is the trapping and buildup of heat in the atmosphere near Earth's surface (the troposphere). The greenhouse effect is a natural process that contributes to regulating Earth's temperature, and it creates a livable environment on Earth. Human activities that emit additional GHGs to the atmosphere increase the amount of infrared radiation that gets absorbed before escaping into space, thus enhancing the greenhouse effect and causing Earth's surface temperature to rise. Global climate change is a cumulative impact; a project contributes to this impact through its incremental contribution combined with the cumulative increase of all other sources of GHGs. Thus, GHG impacts are recognized exclusively as cumulative impacts (CAPCOA 2008).

A GHG is any gas that absorbs infrared radiation in the atmosphere; in other words, GHGs trap heat in the atmosphere. As defined in California Health and Safety Code section 38505(g) for purposes of administering many of the state's primary GHG emissions reduction programs, GHGs include carbon dioxide (CO_2), methane (CH_4), nitrous oxide (N_2O), hydrofluorocarbons, perfluorocarbons, sulfur hexafluoride, and nitrogen trifluoride (see also CEQA Guidelines section 15364.5).[7] The three GHGs evaluated here are CO_2, CH_4, and N_2O because these gases would be emitted during proposed project's construction and operations.

The Intergovernmental Panel on Climate Change (IPCC) developed the global warming potential (GWP) concept to compare the ability of each GHG to trap heat in the atmosphere relative to another gas. The reference gas used is CO_2; therefore, GWP-weighted emissions are measured in metric tons (MT) of CO_2 equivalent (CO_2e). Consistent with CalEEMod version 2016.3.2, this GHG emissions analysis assumed the GWP for CH_4 is 25 (i.e., emissions of 1 MT of CH_4 are equivalent to emissions of 25 MT of CO_2), and the GWP for N_2O is 298, based on the IPCC's Fourth Assessment Report (IPCC 2007).

The City, in coordination with South Bay Cities Council of Governments (SBCCOG), prepared the *City of Gardena Climate Action Plan* (City CAP) to reduce GHG emissions within the City (City of Gardena and SBCCOG 2017). The City has established GHG reduction goals for year 2020 (15% below 2005 levels) and for year 2035 (49% below 2005 levels). The CAP includes a list of non-binding goals and strategies in the following five categories (City of Gardena and SBCCOG 2017):

- **Land Use and Transportation**: Facilitate pedestrian and neighborhood development and identify ways to reduce automobile emissions including supporting zero emission vehicle infrastructure, improving pedestrian and bicycle infrastructure, enhancing public transit service, and supporting reductions in single-occupancy vehicle use.
- **Energy Efficiency**: Emphasize energy efficiency retrofits for existing buildings, energy performance requirements for new construction, water efficient landscaping, financing programs that will allow home and business owners to obtain low-interest loans for implementing energy efficiency in their buildings.
- **Solid Waste**: Focus on increasing waste diversion and encouraging participation in recycling and composting throughout the community.

[7] Climate-forcing substances include GHGs and other substances such as black carbon and aerosols. This discussion focuses on the seven GHGs identified in California Health and Safety Code section 38505; impacts associated with other climate-forcing substances are not evaluated herein.

- **Urban Greening**: Create "carbon sinks" as they store GHG emissions that are otherwise emitted into the atmosphere as well as support health of the community.
- **Energy Generation and Storage**: Demonstrate the City's commitment to support the implementation of clean, renewable energy while decreasing dependence on traditional, GHG emitting power sources.

Notably, however, the City CAP is not a qualified CAP that can be used to tier from for CEQA purposes (City of Gardena and SBCCOG 2017):

> Within the CEQA process, a qualified CAP framework offers the ability to streamline future CEQA greenhouse gas analyses by being able to tier off the climate action plan. Depending on local factors, such as anticipated levels of development, a qualified CAP is not necessary and agencies would continue to utilize the framework for informing the selection and evaluation of climate planning strategies within the local context. The South Bay Cities Council of Governments CAP framework is unqualified, and offers cities a planning tool with optional strategies. The analysis and optional strategies in the CAP can be used in the future, by way of example, to help create a Qualified Climate Reduction Strategy under CEQA, to create GHG thresholds to be used in CEQA analysis and can be used to update the City's General Plan.

Thus, the City CAP cannot be used to tier from for this analysis. As such, this analysis uses the SCAQMD recommended (not adopted) numeric CEQA significance thresholds for GHG emissions for lead agencies to use in assessing GHG impacts of industrial development projects. In October 2008, the SCAQMD proposed recommended numeric CEQA significance thresholds for GHG emissions for lead agencies to use in assessing GHG impacts of residential and commercial development projects as presented in its Draft Guidance Document—Interim CEQA Greenhouse Gas (GHG) Significance Threshold (SCAQMD 2008b). This document, which builds on the previous guidance prepared by the California Air Pollution Control Officers Association, explored various approaches for establishing a significance threshold for GHG emissions. The draft interim CEQA thresholds guidance document was not adopted or approved by the Governing Board. However, in December 2008, SCAQMD adopted an interim 10,000 MT CO_2e per year screening level threshold for stationary source/industrial projects for which SCAQMD is the lead agency (SCAQMD 2008c). The 10,000 MT CO_2e per year threshold, which was derived from GHG reduction targets established in Executive Order S-3-05, was based on the conclusion that the threshold was consistent with achieving an emissions capture rate of 90% of all new or modified stationary source projects.

SCAQMD formed a GHG CEQA Significance Threshold Working Group to work with SCAQMD staff on developing GHG CEQA significance thresholds until statewide significance thresholds or guidelines are established. From December 2008 to September 2010, SCAQMD hosted working group meetings and revised the draft threshold proposal several times, although it did not officially provide these proposals in a subsequent document. SCAQMD has continued to consider adoption of significance thresholds for residential and general land-use development projects. The most-recent proposal issued by SCAQMD (in September 2010) uses the following tiered approach to evaluate potential GHG impacts from various uses (SCAQMD 2010):

Tier 1. Determine if CEQA categorical exemptions are applicable. If not, move to Tier 2.

Tier 2. Consider whether the proposed project is consistent with a locally adopted GHG reduction plan that has gone through public hearing and CEQA review, that has an approved inventory, includes monitoring, etc. If not, move to Tier 3.

Tier 3. Consider whether the project generates GHG emissions in excess of screening thresholds for individual land uses. The 10,000 MT CO_2e per year threshold for industrial uses would be recommended for use by all lead agencies. Under option 1, separate screening thresholds are proposed for residential projects (3,500 MT CO_2e per year), commercial projects (1,400 MT CO_2e per year), and mixed-use projects (3,000 MT CO_2e per year). Under option 2, a single numerical screening threshold of 3,000 MT CO_2e per year would be used for all non-industrial projects. If the proposed project generates emissions in excess of the applicable screening threshold, move to Tier 4.

Tier 4. Consider whether the proposed project generates GHG emissions in excess of applicable performance standards for the project service population (population plus employment). The efficiency targets were established based on the goal of Assembly Bill (AB) 32 to reduce statewide GHG emissions to 1990 levels by 2020. The 2020 efficiency targets are 4.8 MT CO_2e per service population for project-level analyses and 6.6 MT CO_2e per service population for plan-level analyses. If the project generates emissions in excess of the applicable efficiency targets, move to Tier 5.

Tier 5. Consider the implementation of CEQA mitigation (including the purchase of GHG offsets) to reduce the project efficiency target to Tier 4 levels.

To determine the proposed project's potential to generate GHG emissions that would have a significant impact on the environment, its GHG emissions were compared to the SCAQMD-recommended industrial project quantitative threshold of 10,000 MT CO_2e per year.

Construction GHG Emissions

Construction of the proposed project would result in GHG emissions that are primarily associated with the use of off-road construction equipment, on-road haul and vendor trucks, and worker vehicles. SCAQMD recommends that "construction emissions be amortized over a 30-year project lifetime, so that GHG reduction measures will address construction GHG emissions as part of the operational GHG reduction strategies" (SCAQMD 2008b). Thus, the total construction GHG emissions were calculated, amortized over 30 years, and added to the total operational emissions for comparison with the GHG significance threshold of 10,000 MT CO_2e per year. The determination of significance, therefore, is addressed in the operational emissions discussion following this estimated construction GHG emissions discussion.

CalEEMod was used to calculate the annual GHG emissions based on the construction scenario described in Section 3.3. Construction of the proposed project is anticipated to commence in July 2021 and would last approximately 30 months. On-site sources of GHG emissions include off-road equipment; off-site sources include haul trucks, vendor trucks, and worker vehicles. Table 7, Estimated Annual Construction GHG Emissions, presents construction GHG emissions for the proposed project from on-site and off-site emission sources.

Table 7. Estimated Annual Construction GHG Emissions

Year	CO_2	CH_4	N_2O	CO_2e
	Metric Tons per Year			
2021	77.21	0.01	0.00	77.54
2022	210.83	0.04	0.00	211.91
2023	137.70	0.04	0.00	138.68
			Total	**428.13**
			Amortized Emissions (over 30 years)	**14.27**

Notes: CO_2 = carbon dioxide; CH_4 = methane; N_2O = nitrous oxide; CO_2e = carbon dioxide equivalent.
See Appendix A for complete results.

As shown in Table 7, the estimated total GHG emissions during construction of the proposed project would be approximately 428 MT CO_2e. Estimated project-generated construction emissions amortized over 30 years would be approximately 14 MT CO_2e per year. As with project-generated construction air quality pollutant emissions, GHG emissions generated during the construction of the proposed project would be short-term in nature, lasting only the duration of the construction period, and would not represent a long-term source of GHG emissions. Because there is no separate GHG threshold for construction, the evaluation of significance is discussed in the operational emissions analysis in the following text.

Operational GHG Emissions

CalEEMod version 2016.3.2 was used to estimate potential project-generated operational GHG emissions from vehicular sources, area sources (i.e., landscape maintenance), electrical generation, and stationary sources (i.e., emergency-generator testing). Based on input from the Districts, the proposed project would not involve natural gas combustion, water consumption, or solid waste generation. Emissions from each category are discussed in the following text with respect to the proposed project. Operational year 2024 was assumed to be the first full year of operation following completion of construction.

Area Sources

CalEEMod was used to estimate GHG emissions from the project's area sources, which include the operation of gasoline-powered landscape maintenance equipment, which produces minimal GHG emissions. It was assumed that 100% of the landscaping equipment would be gasoline-powered. Consumer product use and architectural coatings result in VOC emissions, which are analyzed in the air quality analysis only.

Energy Sources

The estimation of operational energy emissions was based on the Districts-provided annual electricity estimate of 361,747 kilowatt-hours. It is anticipated that the proposed project would result in the same electricity consumption as the existing pumping plant. Annual electricity emissions were estimated in CalEEMod using the emissions factors for SCE, which would be the energy source provider for the proposed project. In addition, for electricity, the CO_2 intensities for both the existing scenario and proposed project were adjusted based on the value reported the SCE 2017 Power Content Label, including 32% renewables (CEC 2018).

Mobile Sources

All details for criteria air pollutants discussed in Section 3.3 are also applicable for the estimation of operational mobile source GHG emissions. Regulatory measures related to mobile sources include AB 1493 (Pavley) and related federal standards. AB 1493 required that CARB establish GHG emission standards for automobiles, light-duty trucks, and other vehicles determined by CARB to be vehicles that are primarily used for noncommercial personal transportation in the state. In addition, the National Highway Traffic Safety Administration and U.S. Environmental Protection Agency have established corporate fuel economy standards and GHG emission standards, respectively, for automobiles and light-, medium-, and heavy-duty vehicles. Implementation of these standards and fleet turnover (replacement of older vehicles with newer ones) will gradually reduce emissions from the proposed project's motor vehicles. The effectiveness of fuel economy improvements was evaluated to the extent it was captured in the EMFAC2014 emission factors for motor vehicles in 2019 and 2024 for the existing scenario and the proposed project, respectively.

Stationary Sources

Testing of the 150 kW emergency generator at the existing pumping plant and the proposed 350 kW emergency generator was modeled using CalEEMod, assuming an annual maximum testing duration of 50 hours. The default emission rates for the existing emergency generator were adjusted based on the age of the equipment (model year 1988) and represent a Tier 1 engine. For the proposed generator, CalEEMod default emission rates were used, which represent a Tier 3 engine.

Table 8, Estimated Annual Operational GHG Emissions, presents the annual GHG emissions associated with operation of the existing pumping plant and the proposed project. Additional details are included in Appendix A.

Table 8. Estimated Annual Operational GHG Emissions

Emission Source	CO_2	CH_4	N_2O	CO_2e
	Metric Tons per Year			
Existing Pumping Plant				
Area	<0.01	0.00	0.00	<0.01
Energy	98.71	0.01	<0.01	99.12
Mobile	5.43	<0.01	0.00	5.44
Emergency Generator Testing	3.83	<0.01	0.00	3.84
			Existing Pumping Plant Total	**108.40**
Proposed Project				
Area	<0.01	0.00	0.00	<0.01
Energy	98.71	0.01	<0.01	99.12
Mobile	4.73	<0.01	0.00	4.73
Emergency Generator Testing	8.93	<0.01	0.00	8.96
			Proposed Project Total	**112.82**
			Operational Incremental Increase (Project minus Existing)	**4.42**
			Amortized Construction Emissions	*14.27*
			Operation + Amortized Construction Total	**18.69**

Notes: CO_2 = carbon dioxide; CH_4 = methane; N_2O = nitrous oxide; CO_2e = carbon dioxide equivalent
See Appendix A for detailed results.
Values of "<0.01" indicate that the estimated emissions are less than two decimals. Totals may not sum due to rounding.

As shown in Table 8, the estimated net increase in annual project-generated GHG emissions would be approximately 4 MT CO_2e per year as a result of project operation. When summed with the amortized project construction emissions, the total annual net increase would be approximately 19 MT CO_2e per year. Annual operational GHG emissions with amortized construction emissions would be minimal and would not exceed the SCAQMD threshold of 10,000 MT CO_2e per year. Therefore, the proposed project's GHG contribution would not be cumulatively considerable and is 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 Impact. The City, in coordination with SBCCOG, has developed a CAP to reduce GHG emissions within the City and thereby reduce the City's contribution to global climate change concerns. However, this CAP is not a Qualified GHG Emissions Reduction Plan under CEQA per the requirements outlined in CEQA Guidelines section 15183.5(D); therefore, no CEQA document can tier from the City CAP. Although there are no mandatory GHG plans, policies, or regulations or finalized agency guidelines that would apply to implementation of the proposed project, a description of the relevant plans with GHG reduction strategies is provided below.

The City CAP includes GHG reduction strategies in the sectors of land use and transportation, energy efficiency, solid waste, urban greening, and energy generation and storage to reach the City's GHG reduction targets (City of Gardena and SBCCOG 2017). The proposed project would address the existing safety, reliability, and maintenance issues of the existing Gardena Pumping Plant and would not conflict with any of the GHG reduction measures provided within the City's CAP.

California's 2017 Climate Change Scoping Plan, approved by CARB in 2008 and updated in 2014 and 2017, provides a framework for actions to reduce California's GHG emissions and requires CARB and other state agencies to adopt regulations and other initiatives to reduce GHGs. The scoping plan is not directly applicable to specific projects, and it is not intended to be used for project-level evaluations.[8] Under the scoping plan, however, there are several state regulatory measures aimed at identifying and reducing GHG emissions. CARB and other state agencies have adopted many of the measures identified in the scoping plan. Most of these measures focus on area-source emissions (e.g., energy usage and high-GWP GHGs in consumer products) and changes to the vehicle fleet (e.g., hybrid, electric, and more-fuel-efficient vehicles) and associated fuels, among others.

SCAG's 2016 RTP/SCS is a regional growth-management strategy that targets per-capita GHG reduction from passenger vehicles and light-duty trucks in the Southern California region. The 2016 RTP/SCS incorporates local land use projections and circulation networks in city and county general plans. The 2016 RTP/SCS is not directly applicable to the proposed project because the purpose of the 2016 RTP/SCS is to provide direction and guidance by making the best transportation and land use choices for future development. However, the replacement of the existing Gardena Pumping Plant under the proposed project would not conflict with implementation of the strategies identified in the 2016 RTP/SCS that would reduce GHG emissions.

8 The Final Statement of Reasons for the amendments to the CEQA Guidelines reiterates the statement in the Initial Statement of Reasons that "[t]he Scoping Plan may not be appropriate for use in determining the significance of individual projects because it is conceptual at this stage and relies on the future development of regulations to implement the strategies identified in the Scoping Plan" (California Natural Resources Agency 2009).

Regarding consistency with Senate Bill (SB) 32 (goal of reducing GHG emissions to 40% below 1990 levels by 2030) and Executive Order S-3-05 (goal of reducing GHG emissions to 80% below 1990 levels by 2050), there are no established protocols or thresholds of significance for that future-year analysis. However, CARB has expressed optimism with regard to both the 2030 and 2050 goals. It states in the First Update to the Climate Change Scoping Plan: Building on the Framework that "California is on track to meet the near-term 2020 GHG emissions limit and is well positioned to maintain and continue reductions beyond 2020 as required by AB 32" (CARB 2014). Regarding the 2050 target for reducing GHG emissions to 80% below 1990 levels, CARB (2014) states the following:

> This level of reduction is achievable in California. In fact, if California realizes the expected benefits of existing policy goals (such as 12,000 megawatts of renewable distributed generation by 2020, net zero energy homes after 2020, existing building retrofits under Assembly Bill 758, and others) it could reduce emissions by 2030 to levels squarely in line with those needed in the developed world and to stay on track to reduce emissions to 80% below 1990 levels by 2050. Additional measures, including locally driven measures and those necessary to meet federal air quality standards in 2032, could lead to even greater emission reductions.

In other words, CARB believes that the state is on a trajectory to meet the 2030 and 2050 GHG reduction targets set forth in AB 32, SB 32, and Executive Order S-3-05. This is confirmed in the 2017 Climate Change Scoping Plan Update, which states (CARB 2017b):

> The Proposed Plan builds upon the successful framework established by the Initial Scoping Plan and First Update, while also identifying new, technologically feasibility and cost-effective strategies to ensure that California meets its GHG reduction targets in a way that promotes and rewards innovation, continues to foster economic growth, and delivers improvements to the environment and public health, including in disadvantaged communities. The Proposed Plan is developed to be consistent with requirements set forth in AB 32, SB [Senate Bill] 32, and AB 197.

The proposed project would not interfere with implementation of GHG reduction goals for 2030 or 2050 because it would not exceed SCAQMD's recommended threshold of 10,000 MT CO_2e per year. In addition, the proposed project would not conflict with the state's trajectory toward future GHG reductions. Therefore, the proposed project would not conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs; therefore, the impact would be less than significant.

3.9 Hazards and Hazardous Materials

The following analysis is based on the Preliminary Environmental Evaluation prepared by Dudek in April 2019, and included as Appendix C. The evaluation included a search of regulatory records conducted by EDR on March 6, 2019, a search of online regulatory databases, review of historical aerial photographs, and review of City Directory listings.

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

Short-Term Construction

Less-Than-Significant Impact With Mitigation Incorporated. The potential impacts associated with the routine transport, use, or disposal of hazardous materials resulting from the proposed project are described below.

Use of Hazardous Materials

A variety of hazardous materials, including fuels for equipment and vehicles, new and used motor oils, cleaning solvents, and paints, would be transported to and stored, used, and generated on the project site during construction activities for the proposed project. Improper handling and/or use of these materials during construction would represent a potential risk to the public and the environment. Construction contractors are responsible for accident prevention and containment, and construction specifications typically include provisions to properly manage hazardous substances and wastes. All contractors are required to comply with applicable regulations and California Occupational Safety and Health Administration (OSHA) guidelines regarding the transport, use, and disposal of hazardous materials and hazardous waste. Examples of hazardous materials management include providing completely enclosed containment for all refuse generated in the planning area. In addition, all construction waste, including trash, litter, garbage, solid waste, petroleum products, and any other potentially hazardous materials, would be removed and transported to a permitted waste facility for treatment, storage, and/or disposal. Compliance with applicable regulations and OSHA guidelines would ensure that proper use and disposal of these materials would not pose a significant risk to the public and the environment.

Subsurface Impacts

A search of regulatory records was conducted by EDR on March 6, 2019. The search was conducted for the project site, and includes a 0.25-mile, a 0.5-mile, and a 1-mile search radius. As part of the Preliminary Environmental Evaluation (Appendix C), Dudek reviewed the listings, the distance from the project site, and known environmental conditions (e.g., groundwater depth and flow direction), and determined the following sites to be potential environmental concerns to the proposed project:

- Sears Roebuck and Company (1917 Artesia Boulevard): The adjacent site to the east was the former location of a gasoline underground storage tank (UST). Following UST removal in 1987, residual soil and groundwater impacts were identified beneath the former UST. Although the release case received agency closure, it did so with 35 µg/L benzene detected in the groundwater. The location of the former UST is not known because of the poor figures in the UST case reports; it may be immediately adjacent to the project site. Therefore, it is possible that gasoline-impacted soil and/or groundwater is present under the project site.
- Thiem Industries (1918 Artesia Boulevard) and Freeman Products (2040 Artesia Boulevard): The former Freeman Products (Freeman) and Thiem Industries (Thiem) sites, are located south and southwest of the project site, respectively (Figure 7, Potential Environmental Concerns). Historical operations at Freeman and Thiem have contributed to chlorinated volatile organic compounds (CVOC) contamination in groundwater, which is currently under remediation, but still above regulatory screening levels. Recent groundwater data indicate that the CVOC contamination is present beneath the Freeman and Thiem sites, as well as the two sites in

between. Figure 7 includes the locations of the nearest groundwater monitoring wells for the Freeman and Thiem sites and the reported CVOC contamination above the applicable screening levels (California maximum contaminant levels for drinking water are 5 µg/L for TCE and PCE, 6 µg/L for 1,1-DCE; the California Department of Health Services notification level is 1 µg/L for 1,4-dioxane). Groundwater has been reported at depths of approximately 22 to 28.5 feet bgs. Although data suggest that contaminated groundwater has not migrated north into Artesia Boulevard or the project site, construction of the proposed project would require excavation up to 40 feet bgs. This excavation would encounter groundwater and, therefore, require dewatering, which could potentially cause drawdown and subsequent migration of the contaminated groundwater onto the project site.

Additionally, based on the findings of the City directories, the proposed project site and surrounding areas have been used for dry cleaning and manufacturing purposes since at least 1970. These types of industries generally use, store, and dispose of hazardous materials and petroleum products as part of daily business activities. Dry cleaners in the 1970s would have used chlorinated solvents. Based on the potential former use of chlorinated solvents on the project site and other potential chemical use, there is a potential for undocumented environmental contamination to be present, which may impact the project site.

To reduce any impacts from potentially contaminated subsurface conditions, a hazardous materials management/contingency plan (HMMCP) should be prepared prior to the commencement of construction activities (mitigation measure MM-HAZ-1).

MM-HAZ-1 Hazardous Materials Management/Contingency Plan. Prior to construction, the District shall develop a hazardous materials management/contingency plan (HMMCP) that addresses the potential concern related to the anticipated locations of contaminated soils and groundwater, and anticipated contaminants. The HMMCP shall be followed during demolition, excavation, and construction activities for the proposed project. The HMMCP shall include training procedures for identification of contaminated soils and groundwater (if anticipated to be encountered) in the excavations. Contaminated soils and/or groundwater shall be managed and disposed of in accordance with local and state regulations. The HMMCP shall include health and safety measures including periodic work breathing zone monitoring and potential South Coast Air Quality Management District Rule 1166 monitoring for volatile organic compounds using a handheld organic vapor analyzer, in the event impacted soils are encountered during excavation activities. The District or its construction contractor shall implement the HMMCP during construction activities for the proposed project. If impacts are encountered in the excavation, the HMMCP shall contain procedures for evaluation of the impacts and notification, as necessary.

Implementation of mitigation measure MM-HAZ-1 would reduce potential impacts associated with contaminated soils, groundwater, and/or other environmental contaminants to less-than-significant levels.

SOURCE: Bing Maps; Los Angeles County

DUDEK

0 100 200 Feet

MW-16A/B: Nearest Former Freeman Products well with concentrations above California MCLs in ug/L (2018)
MW-35A/B: Nearest Thiem Industries well with concentrations above California MCLs in ug/L (2012)

FIGURE 7

Potential Environmental Concerns

Gardena Pumping Plant Upgrades

INTENTIONALLY LEFT BLANK

Lead-Based Paint and Asbestos

Based on the age of the structures (pre-1980s) on the proposed project site, there is a potential for asbestos, lead-based paint, and other hazardous building materials, such as polychlorinated biphenyls and mercury, to be present in the building's materials. Construction of the proposed project would require demolition of the existing structures on the project site. If asbestos is detected during demolition or construction activities, standard regulatory practices would be applied (development of a health and safety plan, protective equipment, fugitive dust controls, best management practices, etc.). Additionally, existing state regulations require the abatement and control of asbestos and lead in advance of demolishment or renovation activities, pursuant to SCAQMD Rule 1403 (asbestos) and California Code of Regulations Title 8. If not properly abated, the accidental release of asbestos and/or lead could pose a hazard to the environment and public health. This is considered a potentially significant impact prior to mitigation. Therefore, implementation of mitigation measure MM-HAZ-2 is required. MM-HAZ-2 will require that, prior to construction or demolition activities, a lead-based paint and asbestos survey be completed by a California OSHA-certified asbestos assessor and a California Department of Public Health–certified lead-based-paint assessor. Depending on the findings of the survey, it may be necessary to prepare an abatement work plan that complies with all federal, state, and local laws and describes monitoring and abatement activities that must be performed as part of construction activities to prevent exposure to asbestos and lead-based paint.

MM-HAZ-2 Prior to the demolition of on-site buildings, a lead-based paint and asbestos survey shall be conducted by a California Occupational Safety and Health Administration–certified asbestos consultant and/or certified site surveillance technician and a California Department of Public Health–certified lead inspector/risk assessor or sampling technician. These persons shall provide the Districts with a report documenting material types, conditions, and general quantities along with diagrams and photos of positive materials. Demolition or renovation plans and contract specifications must incorporate any abatement procedures for the removal of material containing asbestos or lead-based paint. All abatement work must be performed in accordance with all applicable federal, state, and local regulations.

Implementation of mitigation measure MM-HAZ-2 would prevent exposure to asbestos and lead-based paint during construction activities. Impacts would be less than significant after mitigation.

Long-Term Operations

No Impact. The proposed project involves the construction of a consolidated pumping plant to address the existing maintenance issues associated with the existing pumping plant, which currently operates as two functionally separate pumping plants. Once operational, the proposed project would not differ from the existing uses or the current operations at the project site. Further, because of the update in equipment and consolidation of the pumping plant activities, there would be fewer safety, reliability, and maintenance issues. As such, there would be fewer operational activities associated routine transport, use, or disposal of hazardous materials. Therefore, no impacts would occur.

b) Would the project 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 With Mitigation Incorporated. As discussed in Section 3.9(a), because of the former uses located adjacent to and surrounding the project site, there is the possibility that impacted

groundwater from the Freeman and Thiem sites, and gasoline-impacted soil and/or groundwater from the former gasoline UST to the east could result in the release of hazardous materials into the environment. Preparation of an HCCMP would be required to manage impacts from accidental spills or contaminated soils if discovered during construction (mitigation measure MM-HAZ-1).

Based on the age of the structures (pre-1980s) on the project site, there is a potential for asbestos, lead-based paint, and other hazardous building materials, such as polychlorinated biphenyls and mercury, to be present in the building's materials. Therefore, mitigation measure MM-HAZ-2 is recommended, which will require that, prior to construction or renovation activities, a lead-based paint and asbestos survey be completed by a California OSHA-certified asbestos assessor and a California Department of Public Health–certified lead-based paint assessor.

Upon implementation of mitigation measures MM-HAZ-1 and MM-HAZ-2, impacts associated with the release of hazardous materials into the environmental would be less than significant.

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?

Less-Than-Significant Impact. The nearest school to the project site is Casimir Middle School (17220 Casimir Avenue), located approximately 0.3 miles west of the project site. Additionally, operation of the proposed project would not involve storage or use of chemicals. As such, the proposed project would not emit hazardous air emissions within 0.25 miles of a school. Therefore, the proposed project would have less-than-significant impacts on existing or proposed schools.

d) Would the project be located on a site that 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?

Less-Than-Significant Impact With Mitigation Incorporated. Pursuant to CEQA, the California Department of Toxic Substances Control maintains a Hazardous Waste and Substances Sites List (Cortese List). Government Code section 65962.5(a) requires that the list be updated at least annually to reflect new information regarding previously listed sites or new sites requiring response action (CalEPA 2019).

According to the Preliminary Environmental Evaluation (Appendix C), multiple sites were identified on Cortese List databases within a 0.25-mile radius of the project site; however, the project site was not listed. The project site is adjacent to 1917 Artesia Blvd address, which was listed in the State Water Resources Control Board's LUST database; however, that release case has been closed.

Nonetheless, because of the potential for encountering impacted groundwater and/or soils associated with the adjacent former UST site and the Freeman and Thiem sites during project construction, mitigation measure MM-HAZ-1 would be implemented to ensure that hazardous materials sites do not create a significant hazard to the public or the environment. Implementation of mitigation measure MM-HAZ-1 would reduce impacts to less-than-significant levels.

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 or excessive noise for people residing or working in the project area?

No Impact. The nearest airport to the project site is Hawthorne Municipal Airport, located approximately 3.6 miles northeast of the project site in the City of Hawthorne. As such, the proposed project would not be located within 2 miles of a public airport. In addition, the project site is not within the Airport Influence Area for Hawthorne Municipal Airport, and as such, the proposed project would not result in a safety hazard for people working in the project area (County of Los Angeles 2019). Therefore, no impacts associated with airport safety hazards 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 Incorporated. The City's Emergency Operations Plan (EOP) addresses the planned response to extraordinary emergency situations associated with natural disasters, technological incidents, and national security emergencies. The City's EOP establishes the emergency organization, assigns tasks, and specifies policies and general procedures. The EOP is designed to include Gardena in the overall California State Standardized Emergency Management System, which provides a framework for coordinating multi-agency responses in the case of emergencies (City of Gardena 2006d). Because the proposed project would result in operations similar to the existing condition, the proposed project would not conflict with the provisions of the City's EOP.

As discussed in Section 2.4, Project Construction, construction of the proposed project would require temporary lane closures at Artesia Boulevard, which could temporarily interfere with emergency evacuation. However, incorporation of a construction traffic management plan, as required by mitigation measure MM-TRAF-1 (see Section 3.17(c)), and associated traffic control plans, as well as adherence to the Standard Specifications for Public Works Construction (Greenbook) and *Work Area Traffic Control Handbook* (WATCH) *Manual*, would ensure that any temporary impacts on emergency vehicle flow and/or ingress/egress to properties along Artesia Boulevard are coordinated in advance with emergency service providers and law enforcement to ensure that sufficient emergency service, access, and evacuation will be provided during construction if necessary. In addition, the District would obtain an encroachment permit from the cities of Gardena and Torrance to ensure coordination with emergency service providers and law enforcement. The implementation of mitigation measure MM-TRAF-1 would reduce impacts related to emergency access to less-than-significant levels.

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

No Impact. Much of the land surrounding the project site is highly developed, and as a whole, the project area lacks any lands considered wildlands or wildland–urban interfaces. According to the California Department of Forestry and Fire Protection's Fire Hazard Severity Zones maps, the project site is neither moderately, highly, nor very highly susceptible to wildland fire (CAL FIRE 2019). Therefore, no impacts associated with wildland fires would occur.

3.10 Hydrology and Water Quality

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

Short-Term Construction

Less-Than-Significant Impact. Construction associated with the proposed project involves earthwork activities that would disturb soil. Soil erosion could result from these activities, thereby potentially affecting the water quality of local downstream waterways. As previously addressed in Section 3.7, Geology and Soils, the City, along with other municipalities in Los Angeles County, is required to control pollutant discharges in runoff from construction projects. Under the NPDES permit, the City is obligated to require compliance with runoff pollution mitigation approaches known as BMPs. Construction activities associated with the proposed project would comply with requirements of Gardena Municipal Code chapter 8.70, Stormwater and Runoff Pollution Control, which requires post-construction runoff pollution reduction BMPs through implementation of a standard urban stormwater mitigation plan. Sediment-control BMPs may include stabilized construction entrances, sediment filters on existing inlets, or the equivalent to reduce erosion impacts and to prevent, to the extent feasible, stormwater runoff conveying sediments to downstream receiving waters. Therefore, short-term construction impacts associated with the proposed project would be less than significant.

Long-Term Operations

Less-Than-Significant Impact. Upon the completion of construction, the project site would be restored to its preconstruction conditions and no loss of topsoil affecting downstream waterways would occur. The proposed project would continue to serve as a pump station to convey sewage flow once operational. In addition, the proposed project is located within a developed, impervious landscape and is not a site of groundwater infiltration; thus, impacts to groundwater quality would be less than significant. Therefore, operational impacts associated with water quality standards would be less than significant.

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?

No Impact. The proposed project would not require the permanent use of water supplies, which could decrease groundwater supplies. In addition, the proposed project is located within a developed, impervious landscape and is not a site of groundwater infiltration. Therefore, the construction and operations associated with the proposed project would not decrease groundwater or interfere substantially with groundwater recharge that may impede sustainable groundwater management. As such, no impact would occur.

c) Would the project 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:

i) result in substantial erosion or siltation on or off site;

Less-Than-Significant Impact. Under the existing condition, the project site and surrounding area is entirely developed and impervious. The proposed project involves the construction of a consolidated pumping plant within an entirely impervious area. As such, the proposed project would not substantially alter the existing drainage pattern of the site or area. Additionally, the proposed project would not alter the existing course of the Dominguez Channel, located approximately 160 feet to the east of the project site. Nonetheless, the proposed project would be required to implement post-construction runoff pollution reduction BMPs to ensure that on-site drainage would not result in substantial erosion or siltation on or off site. Therefore, impacts associated with altering the existing drainage pattern of the project site would be less than significant.

ii) 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. As discussed previously in Section 3.10(c)(i), the proposed project would not involve any additional pervious areas, would not alter an existing water course, and would not alter the existing drainage pattern on or off site. Therefore, impacts would be less than significant.

iii) create or contribute 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 Impact. The proposed project would upgrade the existing Gardena Pumping Plant. Construction would include earthwork activities that could potentially result in stormwater runoff; however, the proposed project would be required to comply with BMPs to reduce and capture soil erosion. Upgrades associated with the proposed project would not change the amount of impervious surfaces that would permit increased stormwater.

iv) impede or redirect flood flows?

No Impact. According to Federal Emergency Management Agency Flood Insurance Rate Map Panel No. 06037C1936F, the project site is not located within a 100-year flood zone (FEMA 2008). Although the Dominguez Channel is located approximately 160 feet to the east of the project site, the proposed project would not impede or redirect flood flow. Therefore, no impact would occur.

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

Less-Than-Significant Impact. Seiches are large waves generated in enclosed bodies of water in response to ground shaking. There are no reservoirs or other enclosed water bodies nearby that would create a seiche hazard. Tsunamis are large waves generated in large bodies of water by fault displacement or major ground movement. Based on the inland location of the proposed pumping plant, tsunamis do not pose a hazard to the proposed project. Additionally, the proposed project would implement BMPs to

ensure flows from the project site would not release pollutants into downstream receiving waters. Therefore, impacts associated with risk of release of pollutants caused by project inundation in a flood hazard, tsunami, or seiche zone would be less than significant.

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

Less-Than-Significant Impact. The proposed project would comply with regional and local regulations requiring preparation of a water quality control plan, and would not obstruct existing plans. In addition, the proposed project is not considered a suitable site for groundwater recharge and would not introduce impervious areas over a significant groundwater recharge zone. Therefore, impacts associated with conflict with a water quality control plan or sustainable groundwater management plan would be less than significant.

3.11 Land Use and Planning

a) Would the project physically divide an established community?

No Impact. The physical division of an established community typically refers to the construction of a linear feature (such as a major highway or railroad tracks) or removal of access (such as a local road or bridge) that would impair mobility within an existing community and outlying area. The project site and surrounding area contain predominately commercial land uses. The project site is not used as a connection between established communities. Instead, connectivity within the area surrounding the project site is facilitated via local roadways. Therefore, no impact 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?

No Impact. The Gardena Pumping Plant is operated by the Districts, and the parcels on which the proposed project construction would occur would be owned and operated by the Districts. The proposed project and the Districts would comply with applicable development standards contained in the City's municipal code. Because the proposed project involves upgrades to the existing pumping plant, the proposed use is consistent with the general plan's Industrial designation, and the General Commercial zone (Z-3). As such, the proposed project would be in compliance with applicable local plans governing the project site.

Regional plans applicable to the proposed project that have been adopted for the purpose of reducing environmental impacts associated with projects in the Southern California region include the 2016 AQMP and the Congestion Management Plan (CMP) for Los Angeles County. As discussed in Section 3.3(a), the proposed project would not conflict with or obstruct implementation of the applicable AQMP. The purpose of the CMP is to link local land use decisions with their impacts on regional transportation and air quality and to develop a partnership among transportation decision makers to devise appropriate transportation solutions that include all modes of travel. The CMP transportation impact analysis process requires an analysis of projects that could add 50 or more trips to a CMP arterial intersection or more than 150 trips to a CMP mainline freeway location in either direction during the AM or PM weekday peak hours. The proposed project would not result in any additional trips compared to the existing condition and, thus, would not exceed the threshold of 50 trips. As such, no conflict with the CMP would occur.

In summary, the proposed project would not conflict with any applicable land use plan, policy, or regulation. Because no conflict with a policy or regulation would occur, the proposed project would not result in a significant environmental impact resulting from a conflict with a land use plan. Therefore, there would be no impacts.

3.12 Mineral Resources

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. DOC, Division of Mines and Geology, mapped mineral resource zones within Los Angeles County. According to DOC's Mineral Lands Classification Map, the project site is not located within an area with known mineral resources. The project site is designated as MRZ-1, an area where adequate information indicates that no significant mineral deposits are present, or where it is judged that little likelihood exists for their presence (DOC 1982). Therefore, no impact associated with loss of availability of a known mineral resource would occur.

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 general plan's Land Use Plan does not identify mineral resources within the City, nor does it identify any land uses for mineral resource recovery sites (City of Gardena 2006e). Therefore, no impact associated with loss of availability of a locally important mineral resource recovery site would occur.

3.13 Noise

Existing Setting

Generally, federal and state agencies regulate mobile noise sources by establishing and enforcing noise standards on vehicle manufacturers. Local agencies generally regulate stationary noise sources and construction activities to protect neighboring land uses and the public's health and welfare. Noise-sensitive land uses include residences, hotels and motels, schools and universities, hospitals, and churches. The nearest noise-sensitive land uses to the project site are residences located to the west and a church located to the southwest.

A brief background on the fundamentals of environmental acoustics is helpful in understanding how humans perceive various sound levels. Although extremely loud noises can cause temporary or permanent damage, the primary environmental impact of noise is annoyance. The objectionable characteristic of noise often refers to its loudness. Loudness represents the intensity of the sound wave, or the amplitude of the sound wave height measured in decibels (dB). Decibels are calculated on a logarithmic scale; thus, a 10 dB increase represents a tenfold increase in acoustic energy or intensity, and a 20 dB increase represents a hundredfold increase in intensity. Decibels are the preferred measurement of environmental sound because of the direct relationship between a sound's intensity and the subjective "noisiness" of it. The A-weighted decibel (dBA) system is a convenient sound measurement technique that weights selected frequencies based on how well humans can perceive them.

The range of human hearing spans from a minimal threshold of hearing (approximately 0 dBA) to a level of noise that is past the threshold of pain (approximately 120 dBA). In general, human sound perception is such that a change in sound level of 3 dBA in a normal setting (i.e., outdoors or in a structure, but not in an acoustics laboratory without background noise levels) is just noticeable, and a change of 5 dBA is clearly noticeable. A change of 10 dBA is perceived as a doubling (or halving) of sound level. Noise levels are generally considered low when they are below 45 dBA, moderate in the 45 to 60 dBA range, and high above 60 dBA. Noise levels greater than 85 dBA can cause temporary or permanent hearing loss with sustained exposure.

Ambient environmental noise levels can be characterized by several different descriptors. Energy equivalent or energy average noise level (L_{eq}) describes the average or mean noise level over a specified period of time. L_{eq} provides a useful measure of the impact of fluctuating noise levels on sensitive receptors over a period of time. Other descriptors of noise incorporate a weighting system that accounts for human's susceptibility to noise irritations at night. Community Noise Equivalent Level (CNEL) is a measure of cumulative noise exposure over a 24-hour period, with a 5 dBA penalty added to evening hours (7 p.m. to 10 p.m.) and a 10 dBA penalty added to nighttime hours (10 p.m. to 7 a.m.). Because CNEL is a 24-hour-average noise level, an area could have sporadic loud noise levels that are above 65 dBA but that average lower over the 24-hour period.

Existing Noise Conditions

Currently, the proposed project site generates noise associated with the existing east and west pumping plants. Additionally, the project site and surrounding area is subject to traffic noise associated with nearby roadways, including West Artesia Boulevard.

Noise measurements were conducted on and near the project site in March 2019 to characterize the existing noise environment. The daytime, short-term (1 hour or less) staff-attended sound-level measurements were taken with a SoftdB Piccolo sound-level meter. This sound-level meter meets the current American National Standards Institute standard for a Type 2 (general purpose) sound-level meter. The calibration of the sound-level meter was verified before and after the measurements were taken, and the measurements were conducted with the microphone positioned approximately 5 feet above the ground.

The Districts selected three noise measurement locations (ST1–ST3) on, adjacent to, or near the project site that represent key potential sensitive receptors or sensitive land uses. The measurement locations are shown in Figure 8, Noise Measurement Locations, and the measured average noise levels and measurement locations are provided in Table 9, Measured Noise Levels. Noise measurement data are also included in Appendix D, Noise. The primary noise source at the measurement locations consisted of traffic along West Artesia Boulevard. As shown in Table 9, the existing daytime ambient noise levels ranged from approximately 71 dBA at ST1 to 74 dBA at ST2.

Table 9. Measured Noise Levels

Receptors	Location/Address	Date	Time	L_{eq} (dBA)	L_{max} (dBA)
ST1	19195 W. Artesia Boulevard; adjacent to existing pumping plant	March 28, 2019	9:40 a.m.–9:56 a.m.	70.9	79.9
ST2	2003 W. Artesia Boulevard; adjacent to residences at West Artesia Boulevard and Gramercy Place	March 28, 2019	9:59 a.m.–10:15 a.m.	73.6	82.8

Table 9. Measured Noise Levels

Receptors	Location/Address	Date	Time	L_{eq} (dBA)	L_{max} (dBA)
ST3	2000 W. Artesia Boulevard; adjacent to church	March 28, 2019	10:19 a.m.–10:34 a.m.	73.4	80.9

Source: Appendix D
Notes: L_{eq} = equivalent continuous sound level (time-averaged sound level); L_{max} = maximum sound level during the measurement interval

Local Noise Regulations

The project site is located in the City of Gardena. The nearest noise-sensitive land uses are located in the City of Torrance. Therefore, the noise regulations from both municipalities are summarized below.

Gardena General Plan

The Noise Plan (City of Gardena 2006f), in the general plan's Community Safety Element, contains recommended compatibility noise guidelines for a variety of land uses and would apply in usable outdoor space such as patios, yards, spas, etc. The guidelines recommend that an exterior noise level of 60 dB CNEL is considered a "normally acceptable" noise level for single-family, duplex, and multifamily uses involving normal conventional construction, without any special noise insulation requirements. Exterior noise levels up to 65 dB CNEL are typically considered "conditionally acceptable," and residential construction should only occur after a detailed analysis of the noise reduction requirements is made and needed noise attenuation features are included in the project design. Exterior noise attenuation features include but are not limited to setbacks to place structures outside the conditionally acceptable noise contour, orienting structures so no windows open to the noise source, and /or installing noise barriers such as berms or solid walls.

Gardena Municipal Code

The City of Gardena's noise ordinance (Gardena Municipal Code chapter 8.36, Noise) is designed to protect people from non-transportation (stationary) noise. The ordinance sets limits on the level and the duration a stationary noise source may impact an adjoining residential use. Ordinance limits generally apply to "stationary" sources such as mechanical equipment, or vehicles operating on private property. The City's noise standards are summarized in Table 10, City of Gardena Exterior and Interior Noise Limits (dBA).

Table 10. City of Gardena Exterior and Interior Noise Limits (dBA)

	Allowable Exterior Noise Level[a]			
	15-Minute Average Level (L_{eq})		*Maximum Level (L_{max})*	
Type of Land Use	*7 a.m.–10 p.m.*	*10 p.m.–7 a.m.*	*7 a.m.–10 p.m.*	*10 p.m.–7 a.m.*
Residential	55	50	75	70
Residential portions of mixed-use	60	50	80	70
Commercial	65	60	85	80
Industrial or manufacturing	70	70	90	90

Source: Gardena Municipal Code (Section 8.36.040)
[a] Land use noise level (dBA) at property line

Pursuant to City of Gardena Municipal Code section 8.36.080, Exemptions, noise from construction, repair, remodeling, grading, or demolition of any real property is exempt from the City's noise standards, provided said activities do not take place between the hours of 6 p.m. and 7 a.m. on weekdays, between the hours of 6 p.m. and 9 a.m. on Saturday, or any time on Sunday or a federal holiday.

City of Torrance General Plan Noise Element

The Noise Element of the City of Torrance's general plan (City of Torrance 2010) is the guiding document for the City's noise policy and contains four objectives, N.1 through N.4, with accompanying policies, designed to protect residents and businesses from excessive and persistent noise intrusions. Objectives and policies relevant to the proposed project are as follows:

Objective N.1: To identify noise pollution and establish effective noise abatement methods.

Policy N.1.1: Continue to strictly enforce the provisions of the City's Noise Ordinance to ensure that stationary noise, traffic-related noise, railroad noise, airport-related noise, and noise emanating from construction activities and special events are minimized.

Policy N.1.4: Minimize unnecessary outdoor noise through enforcement of the noise ordinance and through permit processes that regulate noise-producing activities.

Objective N.3: To minimize noise incompatibilities between land uses.

Policy N.3.1: Review industrial, commercial, or other noise-generating land use proposals for compatibility with nearby noise-sensitive land uses, and require that appropriate mitigation be provided.

Policy N.3.2: Require the inclusion of noise-reducing design features for developments near noise-sensitive land uses.

Policy N.3.4: Work with property and business owners to avoid or resolve noise incompatibilities in commercial or industrial areas.

Objective N.4: To research and implement new means of noise abatement.

Policy N.4.1: Encourage and support efforts by the State of California to abate noise pollution by using stricter quantitative noise standards, shorter compliance time governing operation of all types of motor vehicles, etc.

Policy N.4.2: Maintain open lines of communication between the City and all federal, State, and County agencies involved in noise abatement.

Policy N.4.3: Educate residents and businesses of the effects of noise pollution, ways they can assist in noise abatement, and noise abatement programs within the City.

SOURCE: Bing Maps

DUDEK

0 50 100 Feet

FIGURE 8

Noise Measurement Locations

Gardena Pumping Plant Upgrades

INTENTIONALLY LEFT BLANK

Table 11, City of Torrance Interior and Exterior Land Use Compatibility Noise Standards, provides the City's interior and exterior noise standards. Primarily, these compatibility standards are applicable to noise from transportation sources (i.e., vehicle traffic, rail, and airports).

Table 11. City of Torrance Interior and Exterior Land Use Compatibility Noise Standards

Land Use Categories		Noise Standard (dBA CNEL)	
Categories	*Uses*	*Interior*	*Exterior*
Residential	Low/Medium Low/Medium Density Residential	45	60/65[a]
	Medium High Residential	45	60/70[b]
	High Density Residential	45	701
Commercial and Office	General Commercial/Commercial Center	—	70
	Residential Office	50	70
Industrial	Business Park	55	75
	Light Industrial		
	Heavy Industrial		
Public and Medical Uses	Public/Quasi-Public/Open	50	65
	Hospital/Medical	50	70
Airport	Airport	—	70[c]

Source: City of Torrance 2010
[a] features in project design and construction.
[b] Maximum exterior noise levels up to 70 dB CNEL are allowed for Multiple-Family Housing.
[c] Regarding aircraft-related noise, the maximum acceptable exposure for new residential development is 60 dBA CNEL.

City of Torrance Municipal Code

Torrance Municipal Code chapter 6, Noise Regulation, regulates stationary noise sources within the City limits. The noise standards (specified according to geographical location) shown in Table 12, City of Torrance Stationary Noise Standards, regulate the impact of stationary noise sources to a neighboring private property. The nearest noise-sensitive land uses (residences) are located within Region 4.

Table 12. City of Torrance Stationary Noise Standards

Region[a]	Exterior Noise Level (dBA) $L_{eq(h)}$	
	7 a.m.–10 p.m.	*10 p.m.–7 a.m.*
Region 1	70	65
Region 2	60	55
Region 3	50	45
Region 4	55	50

Source: City of Torrance 2008.
[a] The nearest noise-sensitive land uses (residences) are located within Region 4.

In addition, Torrance Municipal Code section 46.2.6, Machinery, Equipment, Fans, and Air Conditioning, states: "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 which would cause the noise level at the property line of any residential land to exceed the ambient noise level by more than five (5) decibels".

Torrance Municipal Code section 46.3.1, Construction of Buildings and Projects, subsection (a) states: "It shall be unlawful for any person within the city of Torrance to operate power construction tools, equipment, or engage in the performance of any outside construction or repair work on buildings, structures, or projects in or adjacent to a residential area involving the creation of noise beyond 50 decibels (dB) as measured at property lines, except between the hours of 7:30 a.m. to 6:00 p.m. Monday through Friday and 9:00 a.m. to 5:00 p.m. on Saturdays. Construction shall be prohibited on Sundays and Holidays observed by City Hall. An exception exists between the hours of 10:00 a.m. to 4:00 p.m. for homeowners that reside at the property.

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. On-site noise-generating activities associated with the proposed project would include short-term construction and long-term operational noise.

Construction Noise (Short-Term Impacts)

Construction noise and vibration are temporary phenomena. Construction noise and vibration levels vary from hour to hour and day to day, depending on the equipment in use, the operations being performed, and the distance between the source and receptor.

Project construction is anticipated to commence in July 2021 and would last approximately 30 months. Construction of the upgraded pumping plant would involve deep excavation of the dry/wet well; installation of the new influent cross connections, manhole, pumps, and discharge piping; and construction of a new superstructure over the dry/wet well.

The equipment used during construction would include an excavator, a backhoe, an off-road forklift, a crane, and haul trucks. This is standard equipment that would be employed for any routine construction project of this scale; construction equipment with substantially higher noise-generation characteristics (such as pile drivers, rock drills, and blasting equipment) would not be necessary.

Construction noise is difficult to quantify because of the many variables involved, including the specific equipment types, size of equipment used, percentage of time each piece is in operation, condition of each piece of equipment, and the number of pieces that would operate on the project site. The typical maximum noise levels for various pieces of construction equipment at a distance of 50 feet are presented in Table 13, Construction Equipment Maximum Noise Levels. Note that the equipment noise levels presented in Table 13 are maximum noise levels. Typically, construction equipment operates in alternating cycles of full power and low power, producing average noise levels less than the maximum noise level. The average sound level of construction activity also depends on the amount of time that the equipment operates and the intensity of construction activities during that time.

Table 13. Construction Equipment Maximum Noise Levels

Equipment	Maximum Sound Level (dBA) 50 feet from Source
Air compressor	81
Backhoe	80
Compactor	82

Table 13. Construction Equipment Maximum Noise Levels

Equipment	Maximum Sound Level (dBA) 50 feet from Source
Concrete mixer	85
Concrete pump	82
Concrete vibrator	76
Crane, mobile	83
Dozer	85
Generator	81
Grader	85
Impact wrench	85
Jackhammer	88
Loader	85
Paver	89
Pneumatic tool	85
Pump	76
Roller	74
Saw	76
Truck	88

Source: U.S. DOT 2018

The maximum noise levels at 50 feet for typical construction equipment would range up to 89 dBA for the type of equipment normally used for this type of development project, although the hourly noise levels would vary. Construction noise in a well-defined area typically attenuates at approximately 6 dBA per doubling of distance.

The Federal Highway Administration's (FHWA) Roadway Construction Noise Model (RCNM) (FHWA 2008) was used to estimate construction noise levels at the nearest noise-sensitive receivers (the nearest residences, located approximately 320 feet to the west, and a nearby church, located approximately 450 feet to the southwest). Although the model was funded and promulgated by FHWA, the RCNM is often used for non-roadway projects, because the same types of construction equipment used for roadway projects are also used for other project types. Input variables for the RCNM consist of the receiver/land use types, the equipment type and number of each (e.g., two graders, a loader, a tractor), the duty cycle for each piece of equipment (e.g., percentage of hours the equipment typically works per day), and the distance from the noise-sensitive receiver. No topographical or structural shielding was assumed in the modeling. The RCNM has default duty-cycle values for the various pieces of equipment, which were derived from an extensive study of typical construction activity patterns. Those default duty-cycle values were used for this noise analysis.

Using FHWA's RCNM construction noise model and construction information (types and number of construction equipment by phase), the estimated noise levels from construction were calculated for the distances to the nearest noise-sensitive receivers (the nearest residences and the church), as presented in Table 14, Construction Noise Model Results Summary. The RCNM inputs and outputs are provided in Appendix D.

Table 14. Construction Noise Model Results Summary

Construction Phase	Construction Noise at Representative Receiver Distances (L_{eq}, dBA)	
	Residences to the West (approx. 320 feet away)	*Church to the Southwest (approx. 450 feet away)*
Demolition of On-Site Buildings	63	61
Grading/Trenching	64	61
Building Construction	61	58
Architectural Coatings	53	50
Demolition of Existing Pumping Station	64	61
Paving	61	59

Source: Appendix D
Notes: L_{eq} = equivalent continuous sound level; N/A = not applicable; no heavy construction equipment would be used for this phase.

As presented in Table 14, the highest noise levels are predicted to occur during grading and demolition, when noise levels from construction activities would be as high as approximately 64 dBA L_{eq} (equivalent continuous sound level) at the nearest residences, and 61 dBA L_{eq} at the church. During other phases of construction, construction noise would range from approximately 50 to 63 dBA L_{eq}.

Construction activity on the project site would adhere to City of Gardena's limits on hours of construction, taking place between 7 a.m. and 6 p.m. Monday through Friday, between 9 a.m. and 6 p.m. on Saturday, and would not take place on Sundays or holidays.

Although nearby noise-sensitive land uses would be exposed to construction noise levels, the exposure would be relatively low; ambient daytime noise levels at these locations are substantially higher (ranging from 71 to 74 dBA L_{eq}). Additionally, the noise from construction would be short-term and intermittent throughout the construction timeframe, and would cease upon project construction. It is anticipated that construction activities associated with the proposed project would take place during the time periods required by the City of Gardena and the City of Torrance construction noise standards. Therefore, noise impacts from construction would be less than significant. No mitigation measures are required.

Operational Noise (Long-Term Impacts)

Less-Than-Significant Impact. As discussed in Section 2.3, the proposed project would consolidate the existing East and West Plants into one new pumping plant adjacent to the existing location. The existing equipment would be replaced with newer, more-efficient equipment, and the overall pumping capacity would remain the same. As technology has improved over time, mechanical noise levels have been reduced because mechanical noise and vibration represent wasted energy. Additionally, rather than the current condition in which two pumps operate simultaneously, only one pump would operate under the proposed project. The existing structure would also be replaced by a newly-constructed structure.

Based upon field observations and noise measurements, the noise from the existing pumping facilities is not audible from outside the plant. Because the project would replace the existing facility with new, more-efficient, quieter equipment and the equipment would be housed within a new structure designed to be at least as quiet as the existing structure, the noise level from the proposed project would not

result in a substantial noise increase; rather, the noise from the proposed project would in all likelihood be less than from the existing facility. Therefore, the noise impact from operation of the proposed project would be less than significant.

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

Less-Than-Significant Impact. Construction activities that might expose people to excessive groundborne vibration or groundborne noise could cause a potentially significant impact. Groundborne vibration information related to construction activities has been collected by Caltrans (Caltrans 2013). Caltrans indicates that transient vibrations (such as construction activity) with a peak particle velocity of approximately 0.035 inches per second may be characterized as barely perceptible, and vibration levels of 0.24 inches per second may be characterized as distinctly perceptible. The heavier pieces of construction equipment, such as bulldozers, would have peak particle velocities of approximately 0.089 inches per second or less at a distance of 25 feet (U.S. DOT 2018). Groundborne vibration is typically attenuated over short distances.

At the nearest existing noise-sensitive land use distance to the nearest construction area (approximately 320 feet) and with the anticipated construction equipment, the peak particle velocity would be approximately 0.002 inches per second. This vibration level would be well below the threshold of "barely perceptible" of 0.035 inches per second vibration, as well as the typical vibration threshold for potential building damage of 0.5 inches per second or greater for buildings of reinforced-concrete, steel, or timber construction. Groundborne vibration would not be associated with the proposed project following construction activities; the water pumps would not generate substantial levels of vibration. Impacts related to groundborne 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?

No Impact. The project site is not located within an airport land use plan (Los Angeles County Airport Land Use Commission 2004). The nearest airport to the project site is Hawthorne Municipal Airport, located approximately 3.6 miles northeast of the project site in the city of Hawthorne. As such, the proposed project would not be located within 2 miles of a public airport. In addition, the project site is not within the Airport Influence Area for Hawthorne Municipal Airport; the proposed project would not expose people residing or working in the project area to excessive noise levels. In addition, the proposed project would not be located within the vicinity of a private airstrip. Therefore, no noise impacts would result because of airports or private airstrips.

3.14 Population and Housing

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)?

No Impact. The proposed project would address the existing safety, reliability, and maintenance issues of the existing Gardena Pumping Plant by consolidating the East and West Plants into one new pumping plant near

the existing location. The Districts anticipate that construction workers would come from the surrounding region and that the proposed project would not induce population growth or require permanent housing. Once completed, no housing is proposed and no additional employees would be required.

Upon the completion of construction, the proposed project would include the continuation of the operation of the District's pumping plant to handle sewage flow. The proposed project does not propose housing or an increase in employment; therefore, the proposed project would not directly induce population growth. The proposed project does not propose to increase the capacity of the existing sewer system or extend the existing infrastructure into a previously undeveloped area. Thus, the proposed project would not indirectly induce population growth. Therefore, no impact associated with population growth would occur.

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

No Impact. The proposed project would be located within a predominately commercial area, and would not require the demolition or alteration of existing housing. The proposed project would not displace people or require replacement housing. Therefore, people and housing would not be displaced, and no impact would occur.

3.15 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?

No Impact. The City maintains a contractual agreement with the Los Angeles County Fire Department to provide fire protection and emergency medical services for the City. Within the City, the Los Angeles County Fire Department operates Fire Station 158, located at 1650 West 162nd Street, and Fire Station 159, located at 2030 West 135th Street. Fire Station 158 covers areas south of Marine Avenue, such as the project site. Fire Station 158 staffs five uniform personal, one secretary, one community service representative, and one division nurse. On-site services and equipment include a fire engine, paramedic mobile aid van, squad car, and fire engine on reserve (City of Gardena 2006d).

The proposed project involves upgrades to an existing pump station to address the existing safety, reliability, and maintenance issues. The proposed project would be designed to comply with applicable local, regional, and state requirements related to emergency access. In addition, the Districts would obtain an encroachment permit from the cities of Gardena and Torrance to ensure coordination with emergency service providers during construction. This coordination would ensure that sufficient emergency service, access, and evacuation would be provided during construction, if necessary. The proposed project operations would be the same as those under the existing conditions; thus, the proposed project would not generate requirements for additional fire protection services. The project site would continue to be served by Fire Station 158, located approximately 1.2 miles northeast via local

roads. The proposed project would not result in additional facilities or fire services to maintain an adequate LOS. Therefore, no impact associated with fire protection services would occur.

Police protection?

No Impact. The Gardena Police Department, located within the Civic Center (1718 West 162nd Street), provides police protection and law enforcement services to the City. There are currently 83 police officers and 19 part-time employees. Response times for emergency calls throughout the City is 4 minutes (City of Gardens 2006d).

The proposed project involves upgrades to an existing pump station to address existing safety, reliability, and maintenance issues. As such, the proposed project would not introduce a residential population, which would directly result in increased calls for police protection services. In addition, the Districts would obtain an encroachment permit from the cities of Gardena and Torrance to ensure coordination with law enforcement during construction. This coordination would ensure that sufficient emergency service, access, and evacuation would be provided during construction if necessary. The same operations that presently occur at the project site would continue upon completion of construction, and no additional operations or maintenance employees would be required. Construction of the proposed project would not change local police protection or emergency vehicle response times or affect demand for police protection services in the project area. Therefore, no impact associated with police protection services would occur.

Schools?

No Impact. The proposed project would not involve a housing component that would result in population growth and increased demands on existing schools within the area. Operations associated with the proposed project would be the same as compared to the existing conditions, and no additional employees would be required. Therefore, the proposed project would not generate a demand for school services or induce population growth such that new school facilities would be required, and no impact to schools would occur.

Parks?

No Impact. The proposed project would not involve a housing component or increase employment to result in population growth. Operations associated with the proposed project would be the same as those under existing conditions, and no additional employees would be required. Therefore, no additional demands or impacts upon existing public parks would occur because of project implementation.

Other public facilities?

No Impact. The proposed project would not involve a housing component or increase employment opportunities that would result in population growth within the City. Operations associated with the proposed project would be the same as those under existing conditions, and no additional employees would be required. Therefore, no additional demands on other public facilities, such as library or health care services, and no impact would occur because of project implementation.

3.16 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?

No Impact. As discussed previously in Section 3.14, the proposed project would not directly or indirectly introduce population growth. Therefore, the proposed project would not generate demand for recreational facilities, nor would the project generate population growth that would cause physical deterioration of existing facilities. No impact would occur.

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?

No Impact. The proposed project involves upgrades to an existing pump station to address existing safety, reliability, and maintenance issues. As such, the proposed project does not include recreational facilities. Operations associated with the proposed project would be the same as those under existing conditions, and no additional employees would be required. Therefore, the proposed project would not generate demand for recreational facilities, nor would it generate population growth such that new or expanded recreational facilities would be required. No impact would occur.

3.17 Transportation

The following provides background information for the transportation analysis.

Project Study Area

The project study area is composed of the segment of Artesia Boulevard, between Gramercy Place and Western Avenue, at the borders of the cities of Gardena and Torrance. The project site is on the north side of Artesia Boulevard and lies within the City of Gardena. However, the roadway segment of Artesia Boulevard in the study area lies within the city of Torrance up to Western Avenue; east of Western Avenue, Artesia Boulevard is within the city of Gardena.

Existing Conditions

The following presents a description of the existing street network conditions in the study area.

Street Network

Artesia Boulevard is classified as a Major Arterial under the City of Torrance General Plan, Circulation and Infrastructure Element (2010). Major Arterials link roadways to major corridors such as Principal Arterials. These arterials can accommodate trips and capacity at a lower level than Principal Arterials. Direct access to adjacent parcels should be minimized to maximize speed and limit interference with flow. Between Gramercy Place and Western Avenue, Artesia Boulevard is a four- to six-lane, divided roadway with a posted speed limit of 45 miles per hour (mph). Time-restricted, on-street parking is allowed in marked areas along either side of the street.

Western Avenue is classified as a Major Arterial north of Artesia Boulevard under the City of Torrance General Plan, Circulation and Infrastructure Element. South of Artesia Boulevard, Western Avenue is located within the City of Gardena and is classified as an Arterial by the City of Gardena, Community Development Element, Circulation Plan (2006). Western Avenue is a four-lane, undivided roadway with a two-way left-turn lane both north and south of Artesia Boulevard. Western Avenue has a posted speed limit of 40 mph. On-street parking is provided along some segments along either side of the roadway, with some time-restricted areas.

Gramercy Place is classified as a Local Street under the City of Torrance General Plan, Circulation and Infrastructure Element. Local Streets provide direct access to individual parcels and are not designated for through traffic. Gramercy Place is a two-lane roadway with a posted speed limit of 25 mph. On-street parking is provided along most stretches along either side of the roadway with some time-restricted zones.

Bicycle and Pedestrian Facilities

The City of Torrance General Plan, Circulation and Infrastructure Element, Bicycle Master Plan establishes the following three bikeway classifications:

- **Class I bikeways** are identified as off-road routes that are located along designated multiuse trails or obsolete rail lines. These bikeways are separated from streets.
- **Class II bike lanes** are identified as on-road routes that are located along arterial roadways and are delineated by painted stripes and other features.
- **Class III bike routes** are identified as on-road routes that provide shared use with pedestrians or motor vehicle traffic. Class III bike routes are indicated by signage but are not striped.

Adjacent to the project site, Artesia Boulevard is not indicated as a Class I, II, or III bikeway facility, nor are bicycle facilities proposed along Artesia Boulevard under the Bicycle Master Plan. Van Ness Avenue, a north–south Minor Arterial located approximately 0.25 miles west of Gramercy Boulevard, is the nearest bicycle facility to the project site. Van Ness Avenue is identified as a Class III bike route in the Bicycle Master Plan.

Pedestrian facilities are provided along Artesia Boulevard, with sidewalks ranging from 5 to 10 feet in width in the vicinity of the project site.

Transit System

The Torrance Transit System provides a general-purpose fixed-route bus system, as well as demand responsive services for seniors and the disabled. The fixed-route service area includes all of Torrance, with routes going into downtown Long Beach, and another serving the Metro Blue Line station in Compton. Torrance Transit also serves Union Station in downtown Los Angeles.

Torrance Routes 2 and 5 are the nearest routes to the project site, serving Van Ness Avenue and Artesia Boulevard west of Crenshaw Boulevard; however, the Torrance Transit system does not serve Artesia Boulevard adjacent to the project site. The Los Angeles County Metropolitan Transportation Authority (LA Metro) Route 130 provides fixed-route bus service to this area. Route 130 provides Monday through Sunday service along Artesia Boulevard, from Redondo Beach to Cerritos. Weekday service runs from approximately 5 a.m. through 10 p.m., with service every 10 to 15 minutes. Service is limited on weekends and holiday. Eastbound and westbound stops for Route 130 are provided at the Gramercy Place/Artesia Boulevard and Western Avenue/Artesia Boulevard intersections.

SB 743

On September 27, 2013, SB 743 was signed, creating a process that changes the method for analyzing transportation impacts under CEQA. SB 743 requires that the Governor's Office of Planning and Research (OPR) amend the CEQA Guidelines to provide an alternative to LOS for evaluating transportation impacts. Under the new transportation guidelines, LOS, or automobile delay, will no longer be considered an environmental impact under CEQA. Per OPR's Final Proposed Updates to the CEQA Guidelines, adopted in December 2018, several changes to the questions related to transportation in CEQA Guidelines Appendix G were made. First, OPR revised the question related to "measures of effectiveness" (threshold question A) so that the analysis focuses on circulation elements of city and county general plans and other land use plans governing transportation. Second, OPR deleted the second question related to LOS and insert references to proposed new section 15064.3. Third, OPR clarified the question related to design features.

The new section 15064.3(b), "Criteria for Analyzing Transportation Impacts," states, "If existing models or methods are not available to estimate the vehicle miles traveled for the particular project being considered, a lead agency may analyze the project's vehicle miles traveled qualitatively. Such a qualitative analysis would evaluate factors such as the availability of transit, proximity to other destinations, etc. For many projects, a qualitative analysis of construction traffic may be appropriate."

OPR's regulatory text indicates that a public agency may immediately commence implementation of the transportation impact guidelines, and that the guidelines shall apply statewide by January 1, 2020. The following analysis section uses the recently updated significance thresholds included in CEQA Guidelines Appendix G.

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

Less-Than-Significant Impact. As discussed previously in Section 3.13, Noise, under the noise standards of the cities of Gardena and Torrance, if construction noise is to occur outside of the hours of 7:30 a.m. to 6 p.m. Monday through Friday, and 9 a.m. to 5 p.m. on Saturdays, extended-hours permits would be required. Nighttime and weekend construction, although infrequent, may occur. Additional construction assumptions are provided in Section 2.3 of this IS/MND.

Trips generated by construction workers were conservatively assumed to be generated during the weekday AM (arriving to the site) and PM (leaving the site) peak hours. The delivery trucks and haul trucks were assumed to be distributed evenly throughout the work shift. Based on estimates of the maximum number of construction workers and delivery and haul trucks for each construction phase (i.e., demolition, grading, building construction, architectural coating, paving, etc.), the phase that would generate the highest volume of traffic would be the site grading phase. Table 15, Peak Construction Phase Trip Generation, provides the project trip generation for the peak construction phase.

Table 15. Peak Construction Phase Trip Generation

Vehicle Type	Daily Quantity	Daily Trips	AM Peak Hour			PM Peak Hour		
			In	*Out*	*Total*	*In*	*Out*	*Total*
Trip Generation								
Grading								
Construction Workers	10 workers	20	10	0	10	0	10	10
Delivery trucks	0 trucks	0	0	0	0	0	0	0
Haul trucks	10 trucks	20	2	2	4	2	2	4
	Total	**40**	**12**	**2**	**14**	**2**	**12**	**14**
Trip Generation with PCE								
Grading								
Construction Workers (1.0 PCE)	10 workers	20	10	0	10	0	10	10
Delivery trucks (2.0 PCE)	0 trucks	0	0	0	0	0	0	0
Haul trucks (3.0 PCE)	10 trucks	60	6	6	12	6	6	12
	Total (w/ PCE)	**80**	**16**	**6**	**22**	**6**	**16**	**22**

Source: Appendix A.
Notes: PCE = passenger-car equivalent

As shown in Table 15, the peak construction phase of the project is expected to generate approximately 40 daily trips during the peak period of construction, with 14 AM peak-hour trips (12 inbound and 2 outbound), and 14 PM peak-hour trips (2 inbound and 12 outbound). With the application of passenger-car equivalence (PCE) factors to truck trips, the proposed project would generate 80 PCE daily trips, with 22 PCE trips during the AM peak hour (16 inbound and 6 outbound) and 22 PCE trips during the PM peak hour (6 inbound and 16 outbound).

With the conservative PCE adjustment, the peak construction phase would generate less than 100 daily trips, and less than 25 peak-hour trips. When added to the street network, these trips would not have a measurable impact, and would not significantly impact any LOS thresholds in the Cities of Torrance and Gardena. Additionally, because construction is temporary, all trips associated with project construction would cease after installation of the pumping plant. Any trips associated with operational activities would be limited to scheduled maintenance and repair, and would result in negligible (nominal) traffic to the study area.

The Los Angeles County Congestion Management Program (CMP) requires evaluation of all CMP arterial monitoring intersections where the project would add 50 or more new peak-hour trips. As shown in Table 15, construction of the proposed project would generate 14 trips in both peak hours (22 trips when adjusted with PCE) and therefore would not require a CMP analysis. Additionally, operational activities required for scheduled maintenance and repair would not generate 50 or more new peak-hour trips, as they would be minimal, intermittent, and similar to those that occur throughout the District's service area under existing conditions. Since the project would not result in the generation of additional future traffic, conflicts with an applicable congestion management program or standards would not occur during operation.

Open Trenching

Construction of the proposed project may require the use of an open-trench construction method along the project's frontage on Artesia Boulevard. The general process for open-trenching consists of utility clearance/mark-out activities, site preparation, excavation, shoring, pipe installation, backfilling, and work area street restoration. Construction staging would occur on the streets where the construction is taking place. Equipment and materials may be staged in the parking lanes of the roadway, and some encroachment may occur along sidewalks.

The *Work Area Traffic Control Handbook* (WATCH) *Manual* would be implemented for construction within roadways, and traffic control plans would be designed and approved by the City of Gardena and/or City of Torrance for traffic during construction. Work areas would be barricaded with chain-linked fences during the day to prevent vehicles and pedestrians from entering work areas during construction hours. Construction fencing would be removed at night. Open trenches would be plated during non-construction hours. Roadways along commercial areas would be partially closed. However, travel would always be maintained in each direction. These lane closures would be temporary, and separate work areas would not generally be established adjacent to each other, thereby minimizing the size of each closure. Impacts would be less than significant.

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

Less-Than-Significant Impact. CEQA Guidelines Section 15064.3, subdivision (b), focuses on specific criteria (VMT), for determining the significance of transportation impacts. It is further divided into four subdivisions: (1) land use projects, (2) transportation projects, (3) qualitative analysis, and (4) methodology. The proposed project is a pumping plant project that would generate temporary construction-related traffic and nominal operations and maintenance traffic. This project would be categorized under subdivision (b)(3), qualitative analysis. Subdivision (b)(3) recognizes that lead agencies may not be able to quantitatively estimate VMT for every project type. In those circumstances, this subdivision encourages lead agencies to evaluate factors such as the availability of transit, proximity to other destinations, and other factors that may affect the amount of driving required by the project.

As described previously, construction of the proposed project would result in a temporary increase in local traffic as a result of construction-related workforce traffic and material deliveries, and construction activities occurring within the public right-of-way. The primary off-site impacts from the movement of construction trucks would include short-term and intermittent effects on traffic operations because of slower movements and larger turning radii of delivery and haul trucks compared to passenger vehicles.

Potential increases in vehicle trip generation as a result of project construction would vary based on the construction activity (phase), equipment needs, and other factors. However, once construction is completed, construction-related traffic would cease and VMT levels would return to pre-project conditions. Therefore, the proposed project would not conflict or be inconsistent with CEQA Guidelines Section 15064.3, subdivision (b). Impacts would be less than significant.

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 With Mitigation Incorporated. During construction, lane closures, roadway closures, detours, driveway blockages, loss of parking, and disruptions to traffic, transit, bicycle, and pedestrian movement would occur around the project site. This may result in a potentially significant safety hazard to construction workers and/or the public; therefore, mitigation would be required. To minimize these potential safety hazards, mitigation measure MM-TRAF-1 would be implemented.

MM-TRAF-1 **Construction Traffic Management Plan.** Prior to the start of any construction-related work or encroachment, the Districts shall develop and implement a Construction Traffic Management Plan. The Construction Traffic Management Plan shall include, but will not be limited to, the following measures:

1. All construction activities shall be conducted in accordance with the Greenbook, traffic control plans designed by the Cities of Torrance and/or Gardena, and the *Work Area Traffic Control Handbook Manual* (WATCH) to reduce any impacts to levels of service, traffic safety, and emergency access to the site during construction.
2. The Districts shall install temporary equipment and measures necessary for safe and efficient traffic control including changeable message signs, delineators, arrow boards, flagmen, etc.
3. The Districts shall provide advance notification of the proposed construction work area limits and lane closure times to transit services and all local emergency service providers (police, fire, ambulance, etc.).
4. Qualified flagmen shall be posted at each work site to direct construction traffic entering and exiting the site and/or to direct large construction-related vehicles to/from the work areas.
5. Two-way travel shall always be provided along Artesia Boulevard. During construction periods with reduced lane capacity, the Districts shall implement a Traffic Control Plan that includes detour routes around the impacted lane segments.
6. The Traffic Control Plans shall also include detours and safe passage areas for bicyclists and pedestrians in the impacted work areas.

The construction of the proposed project would be conducted in accordance with the Greenbook, traffic control plans designed by the Districts, and the WATCH Manual to allow acceptable LOS, traffic safety, and emergency access to the site during construction. With the implementation of mitigation measure MM-TRAF-1, impacts related to hazards during construction would be reduced to less-than-significant levels. Once operational, the maintenance and repair of the proposed project would be similar in nature to what is currently occurring for the existing pumping plant. Therefore, no new impacts would occur. As such, impacts would be limited to the construction period and would be less than significant with mitigation incorporated.

d) Would the project result in inadequate emergency access?

Less-Than-Significant Impact With Mitigation Incorporated. As discussed previously, construction vehicles would temporarily access the project site via Artesia Boulevard. The proposed project would have the potential to obstruct portions of this roadway during construction. However, incorporation of a Construction Traffic Management Plan, as required by mitigation measure MM-TRAF-1, and associated

traffic control plans and adherence to the Greenbook and WATCH Manual would ensure that any temporary impacts to emergency vehicle flow and/or ingress/egress to properties along Artesia Boulevard are coordinated in advance with emergency service providers and law enforcement so that sufficient emergency service, access, and evacuation will be provided during construction if necessary. Implementation of a Construction Traffic Management Plan with applicable traffic control plans and adherence to the Greenbook and WATCH Manual would reduce impacts to emergency access to less-than-significant levels. Once operational, the proposed project would not include any impediments to emergency access. Additionally, vehicular trips for maintenance and repair during operation of the pumping plant would be minimal and would be similar in quantity and nature to those currently occurring in the area for other District facilities. Therefore, no new impacts to emergency access would occur during operation. As such, impacts would be limited to the construction period and would be less than significant with mitigation incorporated.

3.18 Tribal Cultural Resources

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:

i) 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)?

Less-Than-Significant Impact. As discussed previously in Section 3.5, the Gardena Pumping Plant, Majestic Lighting building, and the E-S Technical Motorsports building were evaluated under NRHP/CRHR designation criteria. As a result of the background research, field survey, and property significance evaluations, the Gardena Pumping Plant, 1923 West Artesia Boulevard, and 1931 West Artesia Boulevard buildings do not appear to be eligible for the NRHP or CRHR due to a lack of significant historical associations, architectural merit, and/or compromised integrity. Therefore, these properties are not considered historical resources for the purposes of CEQA.

No tribal cultural resources (either listed or eligible for listing) were identified within the project site as a result of the CHRIS records search, NAHC Sacred Lands File search, or Native American outreach efforts. Therefore, there would be no impacts associated with historical resources listed or eligible for listing in the CRHR or a local register of historical resources.

ii) 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 Resource 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. The Sacred Lands File search conducted by the NAHC to failed to indicate the presence of Native American cultural resources for the project site. The NAHC provided a list of five Native American groups and individuals who

may have knowledge of cultural resources in the project area. Letters regarding the proposed project were sent on January 29, 2019 to all five individuals listed on the NAHC consultation list.

All NAHC-listed California Native American Tribal representatives who have requested project notification pursuant to AB 52 (Public Resources Code Section 21074) were sent letters by the Districts in February 2019. The letters contained a project description, outline of AB 52 timing, request for consultation, and contact information for the appropriate lead agency representative. One request for consultation was received February 14, 2019 from Native American representative Andrew Salas from the Gabrieleño Band of Mission Indians – Kizh Nation. On March 21, 2019, a phone consultation took place between the District and a Native American representative from the Gabrieleño Band of Mission Indians-Kizh Nation. Based on the consultation and because of the Native American representative's concerns regarding the potential discovery of tribal resources, should any tribal cultural resources be uncovered during construction, resources would be treated in accordance with mitigation measures MM-TCR-1, MM-TCR-2, and MM-TCR-3. Therefore, MM-TCR-1, MM-TCR-2, and MM-TCR-3 are recommended to reduce potential impacts to tribal cultural resources to less-than–significant levels.

MM-TCR-1 To reduce potential impacts to unanticipated tribal cultural resources (TCRs) during project implementation, all construction personnel shall undergo Worker Environmental Awareness Program (WEAP) training to ensure that any unanticipated TCR discoveries are treated appropriately. The WEAP training shall provide specific details on the kinds of Native American cultural resources that may be identified during ground-disturbing activities.

Additionally, the County Sanitation District No. 5 of Los Angeles County (District), pursuant to Assembly Bill (AB) 52, has reviewed information provided through technical reports and consultations with California Native American tribes. Based on these discussions, the District shall invite the Gabrieleño Band of Mission Indians – Kizh Nation (Gabrieleño) to provide a qualified Native American monitor. The Native American monitor will be accompanied by an archaeological monitor retained by the District or the construction contractor. Monitors will be present part-time to observe initial disturbance of subsurface soils, and to continue to assess the site's potential to contain TCRs, as follows:

i) Soils beneath the paved parking and landscaped areas of the proposed project site will be monitored full-time to a maximum depth of 5 feet below the existing ground surface.

ii) If no TCRs have been identified within soils to this depth, monitoring will be reduced to no more than once a week, continuing at this frequency to a depth of 30 feet below the surface.

iii) District staff, based on ongoing review of observed subsurface conditions and information provided by Native American and archaeological monitors, may adjust monitoring strategies (increase, decrease, or discontinue), as appropriate.

iv) Should a potential TCR be inadvertently encountered, all construction work involving ground disturbance occurring within the vicinity of the find shall immediately stop and the District be notified. If the unanticipated resource is archaeological in nature,

appropriate management requirements shall be implemented as outlined in MM-CUL-2 in conjunction with the following provisions specific to the management of TCRs. Depending on the nature of the find, if the District determines, pursuant to California Public Resources Code Section 21074 (a)(2), that the find appears to be a TCR in its discretion and is supported by substantial evidence, the affected tribe shall be provided a reasonable period of time to make recommendations. The District will review recommendations and move forward with management options determined to be reasonable and feasible. The project may resume ground-disturbing activities near the find after it has complied with these recommendations.

v) Native American and archaeological monitors shall document monitoring activities with daily logs and photograph disturbed soils to document compliance with MM-TCR-1 through 3. These logs, prepared by a qualified archaeologist, shall be appended to a monitoring summary letter report before being submitted to the District within 3 months of completion of monitoring.

MM-TCR-2 Although no tribal cultural resources (TCRs) have been identified that may be affected by the project, the following approach for the inadvertent discovery of TCRs has been prepared to ensure there are no impacts to unanticipated resources. Should a potential TCR be encountered during construction activities, all work in the immediate vicinity of the discovery (within 50 feet) shall cease, the Districts shall be notified, and a qualified archaeologist meeting Secretary of Interior standards shall assess the find. The Districts shall notify Native American tribes consulting under Assembly Bill (AB) 52. If the potential resource is archaeological in nature, appropriate management requirements shall be implemented, as outlined in Mitigation Measure **MM-TCR-1**. If the Districts determines that the potential resource is a TCR (as defined by PRC, Section 21074), tribes consulting under AB 52 shall be provided a reasonable period of time, typically 5 days from the date that a new discovery is made, to conduct a site visit and make recommendations regarding future ground disturbance activities and the treatment and disposition of any discovered TCRs. Depending on the nature of the resource and tribal recommendations, review by a qualified archaeologist may be required. Implementation of proposed recommendations shall be made based on the determination of the Districts that the approach is reasonable and feasible. Work on the other areas of the project site outside of the buffered area may continue during this assessment period. All activities shall be conducted in accordance with regulatory requirements.

MM-TCR-3 If significant Native American cultural resources, as defined by CEQA (as amended, 2015), are discovered and avoidance cannot be ensured, a qualified archaeologist shall be retained to develop a Cultural Resources Treatment Plan, the drafts of which shall be provided to the interested tribe(s) for review and comment.

(1) All in-field investigations, assessments, and/or data recovery enacted pursuant to the finalized Treatment Plan shall be monitored by a Native American monitor.

(2) The Districts shall, in good faith, consult with the interested tribe(s) on the disposition and treatment of any artifacts or other cultural materials encountered during the project.

3.19 Utilities and Service Systems

a) Would the project 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?

Less-Than-Significant Impact. The proposed project involves consolidating the East Plant and West Plant of the existing Gardena Pumping Plan into one new pumping plant near the existing location. The proposed project involves replacement of the plant superstructure, replacement of pumps, deep excavation of the dry/wet well, improvement of force mains and cross connections, and upgrading of associated equipment. As such, the proposed project itself is a utility improvements project. For the reasons discussed below, the proposed project will result in less-than-significant impacts related to water, wastewater treatment, or storm water drainage, electric power, natural gas, or telecommunications facilities.

Water Facilities

The proposed project would not generate water supply demand. As addressed in Section 3.14(a), the proposed project would not generate population growth and thus, would not require additional water supplies. Therefore, the proposed project would not require or result in the relocation or expansion of construction of new or expanded water facilities.

Wastewater Treatment Facilities

The Gardena Pumping Plant is part of the Districts' wastewater collection system. This pumping plant is located at a low point in the wastewater collection system and pumps flows from a lower to higher elevation, which allows the system to continue by gravity flow. Although the proposed project would result in construction of a part of the wastewater collection system, the construction would address existing safety, reliability, and maintenance issues of the existing pumping plant. The proposed project would not increase the capacity of the wastewater system, and would not result in the construction of new or expanded wastewater facilities. Upon the completion of construction activities, the proposed project will return to normal operations, which are the same as existing conditions. Further, the proposed project itself would not generate wastewater. Therefore, impacts related to the construction of new or expanded wastewater treatment facilities would be less than significant.

Stormwater Drainage Facilities

The proposed project involves upgrades to an existing pumping plant to address existing safety, reliability, and maintenance issues. The proposed project would be constructed within an already developed and impervious area. As such, the proposed project would not result in new impervious areas, and would not substantially change the amount of stormwater runoff from the project site and surrounding area. Therefore, the proposed project would not require or result in the relocation or expansion of construction of new or expanded stormwater drainage facilities.

Electric Power and Natural Gas Facilities

As discussed previously in Section 3.6, the proposed project would result in similar operations and, thus, similar energy use as under existing conditions. Because the proposed project would consolidate the operations of the pumping plant from two pumps to one pump, the energy required for the proposed project would be less than under existing conditions. Therefore, the proposed project would not result in the relocation or expansion of a new or expanded electric power or natural gas facility.

Telecommunications Facilities

The proposed project would not generate population growth and would not require telecommunications facilities. The proposed project involves the construction of a pumping plant, to replace an existing pumping plant. Further, the proposed project is in a largely developed area. Therefore, no impacts related to telecommunication facilities would occur.

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. The proposed project would not generate demand for water supply. As addressed in Section 3.14(a), the proposed project would not generate population growth and thus, would not require additional water supplies. The proposed project would continue to operate under current conditions. Although construction would require water usage, the duration of that usage would be short-term and the amount required minimal. Therefore, impacts related to water supplies would be less than significant.

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. As discussed previously in Section 3.19(a), the Gardena Pumping Plant is part of the Districts' wastewater collection system. Although the proposed project would result in the construction of a part of the wastewater collection system, the construction would address existing safety, reliability, and maintenance issues of the existing pumping plant. The proposed project would not increase the capacity of the wastewater system and would not generate additional wastewater. Therefore, impacts would be less than significant.

d) Would the project 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?

No Impact. The proposed project would generate waste during construction. Once complete, the proposed project would not require solid waste material disposal. During construction, waste would be generated from demolition of the adjacent buildings, existing pumps, existing dry/wet wells, existing super structures, and other associated components. Consistent with Chapter 8.020.0606, Solid Waste Disposal and Diversion, of the City's Municipal Code, all construction and demolition projects are subject to a waste diversion performance standard in the percentage amount required by the State of the total waste generated (City of Gardena 2018). Further, the City has adopted a Source Recovery and Recycling Element as required by AB 939, to meet the waste diversion goals pertaining to demolition and construction waste. As such, the majority of construction waste, including that resulting from the demolition of portions of the existing Gardena Pumping Plant, would be diverted from landfills in addition to being minimal and short-term. The proposed

project would not generate ongoing solid waste in excess of the capacity of local infrastructure or otherwise impair the attainment of solid waste reduction goals. Therefore, there would be no impacts.

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

No Impact. The proposed project would only generate waste during project construction. The construction contractor would be required to dispose of all construction waste as required by standard City specifications as well as any applicable federal and state requirements. Therefore, the proposed project would comply with federal, state and local reduction statutes and regulations related to solid waste and there would be no impacts.

3.20 Wildfire

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

No Impact. According to the California Department of Forestry and Fire Protection's Fire Hazard Severity Zones maps, the project site is neither moderately, highly, nor very highly susceptible to wildland fire (CAL FIRE 2019). Upon the completion of construction, the project site would continue to operate as a pumping plant outside of the public right-of-way, and therefore, would not interfere with an emergency response plan or emergency evacuation plan. Therefore, no impacts would occur.

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

No Impact. As previously addressed in Section 3.20(a), the project site is not located in a high fire hazard severity zone. The area surrounding the project site is generally urbanized and developed. There are no designated open space areas surrounding the project site. Land uses surrounding the proposed alignment include commercial, and some residential uses. Additionally, the proposed project involves the construction of a pumping plant and does not involve construction of a habitable structure, which would include project occupants. Therefore, no impacts would occur.

c) Would the project 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 proposed project is located within an urban area and is not susceptible to fire risk. In addition, the proposed project would not result in the installation or maintenance of roads, fuel breaks, emergency water sources, or power lines. Although the project itself involves the construction of utilities, there is not potential for exacerbating fire risk. Therefore, no impacts would occur.

d) Would the project 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. As addressed in Section 3.20(a), the project site is not located in a high fire hazard severity zone. The proposed project is located on a generally level, built-out area and is not at risk of landslides or slope instability. Additionally, the proposed project does not involve the construction of structures that would be inhabited by people. Therefore, no impacts would occur.

3.21 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?

Less-Than-Significant Impact With Mitigation Incorporated. As discussed previously in Section 3.4, no native habitat is located on the project site or in the immediately surrounding area. On-site plant species are limited to non-native grasses and one tree located to the east of the existing plant superstructure. These non-native, ornamental plant species form a non-cohesive plant community that is not known to support any candidate, sensitive, or special-status plant species. No natural vegetation communities are present within the project site. Due to the urbanized nature of the project site, as well as the absence of wetlands located on-site, the proposed project would not result in substantial adverse effect on state or federally protected wetlands. Further, the project site is located within a highly urbanized area and would not interfere with the movement of any native residents, migratory fish, or wildlife species.

Regarding impacts related to important examples of the major periods of California history or prehistory, as further discussed in Section 3.5, the proposed project would not impact historical resources as defined by the CEQA guidelines and would not disturb human remains. However, it is always possible that intact archaeological deposits are present at subsurface levels. For this reason, the project site should be treated as potentially sensitive for archaeological resources. Therefore, mitigation measure MM-CUL-1 and MM-CUL-2 are recommended to reduce potential impacts to unanticipated archaeological resources to less than significant.

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. The analysis below discusses the project's potential to make a cumulatively considerable contribution to an environmental impact, by resource. Where it has been determined based on the analysis in this IS/MND that no impact would occur in relation to specific resources (i.e., Agriculture and Forestry Resources, Mineral Resources, Population and Housing, Public Services, Recreation, and Wildfire), the project would inherently not result in a cumulatively considerable impact relative to those resources and no further discussion is provided below. Cumulative impacts for the other resource areas are discussed as follows:

Aesthetics

There would be no impacts to scenic vistas and scenic resources from the proposed project because the scenic vistas designated by the City of Gardena would not be obstructed by the project site, and no scenic highways are located within the vicinity of the project site. Cumulative impacts to existing visual character and lighting sources would be associated with the proposed project and surrounding uses. Each cumulative project would be required to comply with the Zoning Code, ensuring compatibility with the

surrounding uses. Through regulatory code compliance and applicable site plan review, each cumulative project would be constructed as approved and in a manner that is consistent with and compatible with the existing urban form and character of the surrounding environment. Further, the project site is separated from residences by existing commercial buildings; therefore, there would be little to no direct line of sight for glare to travel if sources of temporary glare (e.g., construction and operations and maintenance vehicles) are found on site. The proposed project's incremental contribution to a cumulative impact would not be considerable, and cumulative impacts to aesthetics would be less than significant.

Air Quality

Air pollution emissions, as defined by federal, state, and local agencies and regulations, are largely a cumulative impact. The nonattainment status for 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. In addition to SCAQMD's efforts, CARB has comprehensive regulatory programs in place for new and existing sources of air pollution.

The potential for the proposed project to result in a cumulatively considerable air quality impact is evaluated in Section 3.3(b). Air pollution is largely a cumulative impact. 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 in the determination of whether a project's individual emissions would have a cumulatively considerable contribution on air quality. If a project's emissions exceed the SCAQMD 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 (SCAQMD 2003).

As discussed previously, the SCAB has been designated as a federal nonattainment area for O_3 and $PM_{2.5}$, and a state nonattainment area for O_3, PM_{10}, and $PM_{2.5}$. The nonattainment status is the result of cumulative emissions from various sources of air pollutants and their precursors within the SCAB, including motor vehicles, off-road equipment, and commercial and industrial facilities. Construction and operational activities of the proposed project would generate VOC and NO_X emissions (precursors to O_3) and emissions of PM_{10} and $PM_{2.5}$. However, as indicated in Tables 4 and 5, project-generated emissions would be minimal and would not exceed the SCAQMD's emission-based significance thresholds for VOCs, NO_X, PM_{10}, or $PM_{2.5}$.

Cumulative localized impacts would potentially occur if a project were to occur concurrently with another off-site project. Schedules for potential future projects near the project area are currently unknown; therefore, potential impacts associated with two or more simultaneous projects would be considered speculative.[9] However, future projects would be subject to CEQA and would require air quality analysis and, where necessary, mitigation. Criteria air pollutant emissions associated with construction activity of future projects would be reduced through implementation of control measures required by the SCAQMD. Cumulative PM_{10} and $PM_{2.5}$ emissions would be reduced because all future projects would be subject to SCAQMD Rule 403 (Fugitive Dust), which sets forth general and specific requirements for all sites in the SCAQMD.

[9] The CEQA Guidelines state that if a particular impact is too speculative for evaluation, the agency should note its conclusion and terminate discussion of the impact (14 CCR 15145).

Therefore, the proposed project would not result in a cumulatively considerable increase in emissions of nonattainment pollutants, and impacts would be less than significant during construction and operation.

Biological Resources

Cumulative impacts to biological resources would occur where the construction or operation of the cumulative projects would encroach into areas containing sensitive biological resources, affect the movement of wildlife species, or affect the functionality of a planned conservation area. The proposed project would take place in a highly urbanized area. The project site contains several non-natural and disturbed land covers. As a result, the potential for special-status species is low, no natural vegetation communities are present, and no conflict with a habitat conservation plan would occur. The proposed project alone would not result in significant impacts to special-status biological resources. A significant impact to biological resources is typically based on consideration of the proposed project's impact on known sensitive species and/or the loss of valued habitat. Because the proposed project would not affect any rare, threatened, or endangered species, and would not result in the removal of any special-status native habitat, the majority of resultant cumulative impacts would also be considered less than significant.

Cultural Resources and Tribal Cultural Resources

Impacts to historic resources from the proposed project would be less than significant because there are no structures identified on the project site that meet local or state criteria for eligibility as a historical resource. Impacts to archaeological resources and tribal cultural resources would be potentially significant in the event of the inadvertent discovery of an archaeological resource during ground-disturbing activities. However, impacts would be less than significant because a qualified archaeologist would evaluate the discovery. Potentially significant impacts related to the inadvertent unearthing of human remains would be avoided by compliance with State Health and Safety Code Section 7050.5, which states that further disturbances and activities must stop in any area or nearby area suspected to overlie remains, and the County Coroner must be contacted.

Cumulative impacts to cultural resources evaluate whether the impacts of the proposed project and other related cumulative projects, when taken as a whole, substantially diminish the number of historical or archaeological resources within the same or similar context or property type. The proposed project could have potentially significant impacts to unknown archaeological and tribal cultural resources, and mitigation measures MM-CUL-1 and MM-CUL-2 and MM-TRC-1, MM-TCR-2, and MM-TCR-3 are included so that these impacts would be avoided. These determinations would be made on a case-by-case basis, and the effects of cumulative development on cultural resources would be mitigated to the extent feasible in accordance with CEQA and other applicable legal requirements. Therefore, the proposed project's impacts to cultural and tribal cultural resources would not be cumulatively considerable, since the impacts are site specific, have been assessed, and are less than significant. Other cumulative projects in the area would be mitigated at a project- and site-specific level; thus, there would be no cumulatively considerable impact.

Energy

The proposed project and cumulative projects would cumulatively increase the demand for electricity, natural gas, and petroleum. Regarding energy use, the proposed project would result in similar operations, and thus, similar energy demand as occurs under the existing conditions. Additionally, the

proposed project and cumulative projects would be required to comply with existing regulations governing energy use. Therefore, the proposed project's contribution to energy demand is not cumulatively considerable and impacts would be less than significant.

Geology and Soils

The geographic area considered for potential cumulative impacts to people and structures related to geologic and seismic hazards is more localized and site-specific than for many other environmental impacts. Impacts related to earthquakes and adverse soil conditions would be less than significant as a result of the required compliance with applicable building codes and geologic hazard regulations. Geologic/soil issues relate to local, site-specific soil conditions, ground response to earthquakes, and the potential for adverse soil conditions to damage the project's structural components. The only projects in the cumulative scenario that would contribute to or compound the identified impacts would be those that are overlapping or adjacent to the proposed project. Such projects would likewise be subject to the CBC and geologic hazard regulations, and would, thus, be designed and constructed to avoid substantial adverse impacts with respect to geology, soils, and seismic hazards. For this reason, cumulative impacts with respect to geologic and seismic hazards would be less than significant.

GHG Emissions

The cumulative nature of climate change and the project's potential to contribute to climate change impacts associated with project-generated GHG emissions is evaluated in Section 3.8. Per the SCAQMD guidance, construction emissions were estimated and amortized over the operational life of the project, which is assumed to be 30 years. This impact analysis, therefore, compares amortized construction emissions to the proposed SCAQMD threshold of 10,000 MT CO_2e per year. The estimated net increase in annual project-generated GHG emissions would be approximately 4 MT CO_2e per year as a result of project operation. When added to the amortized project construction emissions, the total annual net increase would be approximately 19 MT CO_2e per year. Annual operational GHG emissions with amortized construction emissions would be minimal and would not exceed the SCAQMD threshold of 10,000 MT CO_2e per year. The estimated average annual construction emissions would not exceed the recommended SCAQMD threshold of 10,000 MT CO_2e, the project would not result in cumulatively considerable emissions.

Hazards and Hazardous Materials

Cumulative impacts related to hazards and hazardous materials could result from projects that combine to increase exposure to hazards and hazardous materials. Development of the proposed project in combination with cumulative projects have the potential to increase to some degree the risks associated with the use and accidental release of hazardous materials. However, the proposed project would implement mitigation measures MM-HAZ-1 and MM-HAZ-2 to ensure that construction of the proposed project would not create a significant hazards to the public or the environment, and thus, would not cumulatively considerable. With respect to cumulative projects, the presence of hazardous substances would require evaluation on a case-by-case basis. Therefore, the proposed project, combined with the cumulative projects, would not result in a cumulatively considerable impact related to hazardous materials.

Hydrology and Water Quality

The geographic scope of cumulative effects on hydrology and water quality is the watershed affected by the proposed project. The potential impacts of the proposed project would relate to any alterations of water quality as a result of storm water discharge. Short-term construction impacts associated with the proposed project would comply with the City's Municipal Code to reduce runoff pollution. Similarly, cumulative projects would comply with existing regulations and short-term impacts would not be cumulatively considerable. Once operational, the project site would be restored to its preconstruction conditions and no loss of topsoil affecting downstream waterways would occur, no decrease in groundwater or interference in groundwater recharge would occur, and the proposed project would not involve the addition of impervious areas. Therefore, the proposed project's incremental contribution to a cumulative impact would not be considerable, and cumulative impacts on hydrology and water quality would be less than significant.

Land Use and Planning

The geographic scope of this analysis considers the City of Gardena, Los Angeles County, and other parcels owned and operated by the Districts. Similar to cumulative projects in these areas, the proposed project would not result in a conflict with an applicable land use plan, policy, or regulations. Cumulative projects would be evaluated on a case-by-case basis ensuring compatibility with the existing jurisdiction. Therefore, the proposed project's incremental contribution to a cumulative impact would not be considerable, and cumulative impacts on land use and planning would be less than significant.

Noise

Construction noise and vibration levels vary from hour to hour and day to day, depending on the equipment in use, the operations being performed, and the distance between the source and receptor. The highest noise levels predicted to occur at the nearest sensitive receptors during construction is 64 dBA for residences located approximately 320 feet to the west, and 61 dBA for the church located approximately 450 feet away to the southwest. Although nearby noise-sensitive land uses would be exposed to construction noise levels, the exposure would be relatively low compared to the existing ambient noise levels (ranging from 70.9 dBA to 80.9 dBA. While construction noise impacts would temporary elevate ambient noise levels, these events would be short-term and thus, cumulative impacts would be less than significant.

Upon completion, the proposed project would continue to operate as a pumping plant. Cumulative operational noise impacts could result from increased vehicle travel on local roadways, or on-site operational noises generated by the proposed project and cumulative projects. However, because the project would replace the existing facility with new, more efficient, quieter equipment and the equipment would be housed within a new structure designed to be at least as quiet as the existing structure, the noise level from the proposed project would not result in a substantial noise increase. Additionally, the proposed project would not generate any additional operational trips. Therefore, cumulative operational noise impacts would be less than significant.

Transportation

The geographic scope of the cumulative transportation impacts is the study area summarized in Section 3.17. The peak construction phase of the project is expected to generate approximately 40 daily

trips during the peak period of construction, with 14 AM peak-hour trips (12 inbound and 2 outbound), and 14 PM peak-hour trips (2 inbound and 12 outbound). With the application of passenger-car equivalence (PCE) factors to truck trips, the proposed project would generate 80 PCE daily trips, with 22 PCE trips during the AM peak hour (16 inbound and 6 outbound) and 22 PCE trips during the PM peak hour (6 inbound and 16 outbound). With the conservative PCE adjustment, the peak construction phase would generate less than 100 daily trips, and less than 25 peak-hour trips. When added to the street network, these trips would not have a measurable impact, and would not significantly impact any LOS thresholds in the cities of Torrance and Gardena. Additionally, because construction is temporary, all trips associated with project construction would cease after the completion of the pumping plant. Any trips associated with operational activities would be limited to scheduled maintenance and repair, similar to the existing condition, and would result in negligible (nominal) traffic to the study area. The proposed project does not generate the number of trips, which would require meeting the threshold for a traffic impact analysis for a CMP, and, thus, does not result in impacts to the Los Angeles County CMP.

During construction, lane closures, roadway closures, detours, driveway blockages, loss of parking, and disruptions to traffic, transit, bicycle, and pedestrian movement would occur around the project site. This may result in a potentially significant safety hazard to construction workers and/or the public; therefore, mitigation measure MM-TRAF-1 would be required to reduce potential impacts related to design features and emergency access. Therefore, the proposed project's impacts related to transportation would not be cumulatively considerable.

Utilities and Service Systems

The proposed project involves the replacement of the plant superstructure and pumps, the deep excavation of the dry/wet well, the improvement of force mains and cross connections, and upgrading associated equipment. The proposed project itself is a utility improvement project. The proposed project would not generate water supply demand or increase water flows, would not generate additional wastewater, and would not substantially change the amount of stormwater flowing on and off site. Additionally, because the proposed project would result in operations similar to those under existing conditions, impacts to electric power, natural, and telecommunication facilities would be less than significant. Construction activities of the proposed project involve demolition of asphalt and existing structures, grading, and excavation. The waste generated during construction would consist of asphalt pavement and other building and earthen materials. No long-term operational generation of solid waste would be associated with the proposed project.

In summary, the proposed project would not have impacts that are individually limited but cumulatively considerable. Impacts would be less than significant with the mitigation incorporated, as discussed above.

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. As evaluated throughout this document, with incorporation of mitigation, environmental impacts associated with the proposed project would be reduced to less-than-significant levels. Thus, the proposed project would not directly or indirectly cause substantial adverse effects on human beings.

INTENTIONALLY LEFT BLANK.

4 Reponses to Comments

This section of the Final IS/MND includes all comments that were received during the 20-day public review period for the Draft IS/MND, along with responses to comments. The Draft IS/MND was made available for public comment for a 20-day public review period from April 30, 2019, through May 19, 2019. In accordance with the CEQA Guidelines, Section 15074(b) (14 CCR 15074(b)), before approving the proposed project, the District, as the lead agency under CEQA, will consider the MND with any comments received during this public review period. Specifically, Section 15074(b) of the CEQA Guidelines (14 CCR 15074(b)) states the following:

> Prior to approving a project, the decision-making body of the lead agency shall consider the proposed negative declaration or mitigated negative declaration together with any comments received during the public review process. The decision-making body shall adopt the proposed negative declaration or mitigated negative declaration only if it finds on the basis of the whole record before it (including the initial study and any comments received), that there is no substantial evidence that the project will have a significant effect on the environment and that the negative declaration or mitigated negative declaration reflects the lead agency's independent judgment and analysis.

During the public review period, the District received one written comment letter on the Draft IS/MND, which is listed in Table 16. The written comment received on the Draft IS/MND has been assigned an identification letter to facilitate identification and tracking.

Table 16. Comment Letter Summary

Comment Letter	Commenter	Date
A	Gabrieleño Band of Mission Indians – Kizh Nation	May 8, 2019

Although CEQA (California Public Resources Code, Section 21000 et seq.) and the CEQA Guidelines (14 CCR 15000 et seq.) do not explicitly require a lead agency to provide written responses to comments received on a proposed IS/MND, the lead agency may do so voluntarily. The following response was prepared to the one written comment received during the public review period.

Comment Letter A

GABRIELENO BAND OF MISSION INDIANS - KIZH NATION
Historically known as The San Gabriel Band of Mission Indians
recognized by the State of California as the aboriginal tribe of the Los Angeles basin

Notice of Intent to Adopt An Initial Study/ Mitigated Negative Declaration

May 8, 2019

Sanitation Districts of Los Angeles County

1955 Workman Mill Road

Whittier, CA 90601

Good Afternoon Debra Bogdanoff,

We have received your Notice of Intent to adopt a Negative Declaration for the Gardena Pumping Plant Upgrades in the location of the Los Angeles County. Our Tribal Government would like to be consulted if any ground disturbance will be conducted for this project.

A-1

Sincerely,
Gabrieleno Band of Mission Indians/Kizh Nation
(1844) 390-0787 Office

Andrew Salas, Chairman | Nadine Salas, Vice-Chairman | Dr. Christina Swindall Martinez, secretary
Albert Perez, treasurer I | Martha Gonzalez Lemos, treasurer II | Richard Gradias, Chairman of the council of Elders

PO Box 393 Covina, CA 91723 www.gabrielenoindians@yahoo.com gabrielenoindians@yahoo.com

4.1 Comment Letter A

Gabrieleño Band of Mission Indians – Kizh Nation

A-1 Thank you for your letter regarding the proposed Gardena Pumping Plant Upgrades (proposed project). The comment requests consultation related to ground-disturbing activities associated with the proposed project. The County Sanitation District No. 5 of Los Angeles County (District) conducted consultation on March 21, 2019. A subsequent call was held on May 7, 2019, with the Gabrieleño Band of Mission Indians – Kizh Nation to consider comments and concerns related to the proposed mitigation language for treatment of tribal cultural resources during ground-disturbing activities. As such, the language in mitigation measure (MM-) TRC-1 has been revised to specify the level of monitoring conducted by a qualified Native American monitor, provided by the Gabrieleño Band of Mission Indians – Kizh Nation, during ground-disturbing activities. The District now considers consultation under Assembly Bill 52 concluded.

INTENTIONALLY LEFT BLANK

5 Modifications to the Draft IS/MND

This section provides changes to the IS/MND presented in strikethrough text (i.e., ~~strikethrough~~) signifying deletions and underline (i.e., underline) signifying additions. These notations are meant to provide minor revisions resulting from public comments. None of the corrections or additions constitutes significant new information or substantial project changes requiring recirculation as defined by Section 15073.5 of the CEQA Guidelines.

Page 102, Section 3.18, Tribal Cultural Resources (a)(ii), MM-TRC-1

MM-TCR-1 To reduce potential impacts to unanticipated tribal cultural resources (TCRs) during project implementation, all construction personnel shall undergo Worker Environmental Awareness Program (WEAP) training to ensure that any unanticipated TCR discoveries are treated appropriately. The WEAP training shall provide specific details on the kinds of Native American cultural resources that may be identified during ground-disturbing activities.

Additionally, the County Sanitation District No. 5 of Los Angeles County (District), pursuant to Assembly Bill (AB) 52, has reviewed information provided through technical reports and consultations with California Native American tribes. Based on these discussions, the District shall invite the Gabrieleño Band of Mission Indians – Kizh Nation (Gabrieleño) to provide a qualified Native American monitor. The Native American monitor will be accompanied by an archaeological monitor retained by the District or the construction contractor. Monitors will be present part-time to observe initial disturbance of subsurface soils, and to continue to assess the site's potential to contain TCRs, as follows:

i) Soils beneath the paved parking and landscaped areas of the proposed project site will be monitored full-time to a maximum depth of 5 feet below the existing ground surface.

ii) If no TCRs have been identified within soils to this depth, monitoring will be reduced to no more than once a week, continuing at this frequency to a depth of 30 feet below the surface.

iii) District staff, based on ongoing review of observed subsurface conditions and information provided by Native American and archaeological monitors, may adjust monitoring strategies (increase, decrease, or discontinue), as appropriate.

iv) Should a potential TCR be inadvertently encountered, all construction work involving ground disturbance occurring within the vicinity of the find shall immediately stop and the District be notified. If the unanticipated resource is archaeological in nature, appropriate management requirements shall be implemented as outlined in MM-CUL-2 in conjunction with the following provisions specific to the management of TCRs. Depending on the nature of the find, if the District determines, pursuant to California Public Resources Code Section 21074 (a)(2), that the find appears to be a TCR in its discretion and is supported by substantial evidence, the affected tribe shall be provided a reasonable period of time to make recommendations. The District will review recommendations and move forward with management options determined to be reasonable and feasible. The project may resume ground-disturbing activities near the find after it has complied with these recommendations.

v) Native American and archaeological monitors shall document monitoring activities with daily logs and photograph disturbed soils to document compliance with MM-TCR-1 through 3. These logs, prepared by a qualified archaeologist, shall be appended to a monitoring summary letter report before being submitted to the District within 3 months of completion of monitoring.

6 Mitigation Monitoring and Reporting Program

6.1 Introduction

The California Environmental Quality Act (CEQA) requires that a public agency adopting a mitigated negative declaration (MND) take affirmative steps to determine that approved mitigation measures are implemented after project approval. The lead or responsible agency must adopt a reporting and monitoring program for the mitigation measures incorporated into a project or included as conditions of approval. The program must be designed to ensure compliance with the MND during project implementation (California Public Resources Code, Section 21081.6(a)(1)).

This Mitigation Monitoring and Reporting Program (MMRP) will be used by the County Sanitation District No. 5 of Los Angeles County (District) to ensure compliance with adopted mitigation measures identified in the MND for the proposed Gardena Pumping Plant Upgrades (proposed project). The District, as the lead agency, will be responsible for ensuring that all mitigation measures are carried out. Implementation of the mitigation measures would reduce impacts to below a level of significance for cultural resources, geology and soils, hazards and hazardous materials, transportation, and tribal cultural resources.

The remainder of this MMRP consists of a table that identifies the mitigation measures by resource for each project component. Table 17 identifies the mitigation monitoring and reporting requirements, including the party(ies) responsible for carrying out and verifying implementation of the mitigation measure and the timing of verification (prior to, during, or after construction). Space is provided for sign-off following completion/implementation of the mitigation measure. Along with the MND and related documents, this MMRP will be kept on file at the following location:

County Sanitation District of Los Angeles County
1955 Workman Mill Road
Whittier, California 9060

6.2 Mitigation Monitoring and Reporting Program Checklist

Table 17. Mitigation Monitoring and Reporting Program

Mitigation Measure	Implementation Timing	Agency Responsible for Monitoring	Date of Completion
Cultural Resources			
MM-CUL-1 To reduce potential impacts to unanticipated cultural resources during project implementation, all construction personnel shall undergo Worker Environmental Awareness Program (WEAP) training to ensure that any unanticipated archaeological discoveries are treated appropriately. The WEAP training shall provide specific details on the kinds of archaeological materials that may be identified during project implementation.	During construction	County Sanitation District No. 5 of Los Angeles County	
MM-CUL-2 In the event that archaeological resources (sites, features, or artifacts) are exposed during construction activities for the proposed project, all construction work occurring within 100 feet of the find shall immediately stop until a qualified archaeologist who meets the Secretary of the Interior's Professional Qualification Standards can evaluate the significance of the find and determine whether or not additional study is warranted. Should it be required, temporary flagging may be installed around a resource to avoid any disturbances from construction equipment. Depending on the significance of the find under CEQA (14 California Code of Regulations section 15064.5(f); Public Resources Code section 21082), the archaeologist may record the find to appropriate standards (thereby addressing any data potential) and allow work to continue. If the archaeologist observes the discovery to be potentially significant under CEQA, additional treatment may be required.	During construction	County Sanitation District No. 5 of Los Angeles County	
Geology and Soils			
MM-GEO-1 Prior to the commencement of any grading activity, the applicant shall retain a qualified paleontologist, subject to the review and approval of the District to ensure the implementation of a paleontological monitoring program. The Society of Vertebrate Paleontology (SVP 2010) defines a qualified paleontologist as having: 1. A graduate degree in paleontology or geology, and/or a publication record in peer reviewed journals; and demonstrated competence in field techniques, preparation, identification, curation, and reporting in the state or geologic province in which the project occurs; an advanced degree is	Prior to and during construction	County Sanitation District No. 5 of Los Angeles County	

Table 17. Mitigation Monitoring and Reporting Program

Mitigation Measure	Implementation Timing	Agency Responsible for Monitoring	Date of Completion
less important than demonstrated competence and regional experience; 2. At least 2 full years' professional experience as assistant to a project paleontologist with administration and project management experience; supported by a list of projects and referral contacts; 3. Proficiency in recognizing fossils in the field and determining significance; 4. Expertise in local geology, stratigraphy, and biostratigraphy; and 5. Experience collecting vertebrate fossils in the field. The qualified paleontologist shall attend any preconstruction meetings and manage the paleontological monitor(s) if he or she is not doing the monitoring. A paleontological monitor should be on site during all excavations below the depth of previously disturbed sediments. The Society of Vertebrate Paleontology (SVP 2010) defines a qualified paleontological monitor as having: 1. A Bachelor Science or Bachelor of Arts degree in geology or paleontology and 1 year's experience monitoring in the state or geologic province of the specific project; an associate degree and/or demonstrated experience showing ability to recognize fossils in a biostratigraphic context and recover vertebrate fossils in the field may be substituted for a degree; an undergraduate degree in geology or paleontology is preferable but is less important than documented experience performing paleontological monitoring; or 2. An Associate of Science or Associate of Arts in geology, paleontology, or biology and a demonstrated 2 years' experience collecting and salvaging fossil materials in the state or geologic province of the specific project; or 3. Enrollment in upper division classes pursuing a degree in the fields of geology or paleontology and 2 years' monitoring experience in the state or geologic province of the specific project; and 4. Monitors must demonstrate proficiency in recognizing various types of fossils, in collection methods, and in other paleontological field techniques." The paleontological monitor shall monitor construction excavations below a depth of 5 feet bgs in areas underlain by Quaternary alluvium and all excavations in areas underlain by elevated Quaternary alluvium as determined by the qualified paleontologist based on the construction plans. The paleontological monitor shall			

Table 17. Mitigation Monitoring and Reporting Program

Mitigation Measure	Implementation Timing	Agency Responsible for Monitoring	Date of Completion
be equipped with necessary tools for the collection of fossils and associated geological and paleontological data. The monitor shall complete daily logs detailing the day's excavation activities and pertinent geological and paleontological data. In the event that paleontological resources (e.g., fossils) are unearthed during grading, the paleontological monitor shall temporarily halt and/or divert grading activity to allow recovery of paleontological resources. The area of discovery shall be roped off with a 50-foot-radius buffer. Once documentation and collection of the find is completed, the monitor shall remove the rope and allow grading to recommence in the area of the find. Following the paleontological monitoring program, a final monitoring report shall be submitted to the District for approval. The report shall summarize the monitoring program and include geological observations and any paleontological resources recovered during paleontological monitoring for the proposed project.			
Hazards and Hazardous Materials			
MM-NOI-1 Hazardous Materials Management/Contingency Plan. Prior to construction, the District shall develop a hazardous materials management/contingency plan (HMMCP) that addresses the potential concern related to the anticipated locations of contaminated soils and groundwater, and anticipated contaminants. The HMMCP shall be followed during demolition, excavation, and construction activities for the proposed project. The HMMCP shall include training procedures for identification of contaminated soils and groundwater (if anticipated to be encountered) in the excavations. Contaminated soils and/or groundwater shall be managed and disposed of in accordance with local and state regulations. The HMMCP shall include health and safety measures including periodic work breathing zone monitoring and potential South Coast Air Quality Management District Rule 1166 monitoring for volatile organic compounds using a handheld organic vapor analyzer, in the event impacted soils are encountered during excavation activities. The District or its construction contractor shall implement the HMMCP during construction activities for the proposed project. If impacts are encountered in the excavation, the HMMCP shall contain procedures for evaluation of the impacts and notification, as necessary.	Pre-construction	County Sanitation District No. 5 of Los Angeles County	
MM-NOI-2 Prior to the demolition of on-site buildings, a lead-based paint and asbestos survey shall be conducted by a California Occupational Safety and Health Administration–certified asbestos consultant and/or certified site surveillance technician and a California Department of Public Health–certified lead	Prior to construction	County Sanitation District No. 5 of Los Angeles County	

Table 17. Mitigation Monitoring and Reporting Program

Mitigation Measure	Implementation Timing	Agency Responsible for Monitoring	Date of Completion
inspector/risk assessor or sampling technician. These persons shall provide the Districts with a report documenting material types, conditions, and general quantities along with diagrams and photos of positive materials. Demolition or renovation plans and contract specifications must incorporate any abatement procedures for the removal of material containing asbestos or lead-based paint. All abatement work must be performed in accordance with all applicable federal, state, and local regulations.			
Transportation			
MM-TRA-1 Construction Traffic Management Plan. Prior to the start of any construction-related work or encroachment, the Districts shall develop and implement a Construction Traffic Management Plan. The Construction Traffic Management Plan shall include, but will not be limited to, the following measures: 1. All construction activities shall be conducted in accordance with the Greenbook, traffic control plans designed by the Cities of Torrance and/or Gardena, and the Work Area Traffic Control Handbook Manual (WATCH) to reduce any impacts to levels of service, traffic safety, and emergency access to the site during construction. 2. The Districts shall install temporary equipment and measures necessary for safe and efficient traffic control including changeable message signs, delineators, arrow boards, flagmen, etc. 3. The Districts shall provide advance notification of the proposed construction work area limits and lane closure times to transit services and all local emergency service providers (police, fire, ambulance, etc.). 4. Qualified flagmen shall be posted at each work site to direct construction traffic entering and exiting the site and/or to direct large construction-related vehicles to/from the work areas. 5. Two-way travel shall always be provided along Artesia Boulevard. During construction periods with reduced lane capacity, the Districts shall implement a Traffic Control Plan that includes detour routes around the impacted lane segments. 6. The Traffic Control Plans shall also include detours and safe passage areas for bicyclists and pedestrians in the impacted work areas.	Prior to construction	County Sanitation District No. 5 of Los Angeles County	

Table 17. Mitigation Monitoring and Reporting Program

Mitigation Measure	Implementation Timing	Agency Responsible for Monitoring	Date of Completion
Tribal Cultural Resources			
MM-TRC-1 To reduce potential impacts to unanticipated tribal cultural resources (TCRs) during project implementation, all construction personnel shall undergo Worker Environmental Awareness Program (WEAP) training to ensure that any unanticipated TCR discoveries are treated appropriately. The WEAP training shall provide specific details on the kinds of Native American cultural resources that may be identified during ground-disturbing activities. Additionally, the County Sanitation District No. 5 of Los Angeles County (District), pursuant to Assembly Bill (AB) 52, has reviewed information provided through technical reports and consultations with California Native American tribes. Based on these discussions, the District shall invite the Gabrieleño Band of Mission Indians – Kizh Nation (Gabrieleño) to provide a qualified Native American monitor. The Native American monitor will be accompanied by an archaeological monitor retained by the District or the construction contractor. Monitors will be present part-time to observe initial disturbance of subsurface soils, and to continue to assess the site's potential to contain TCRs, as follows: i) Soils beneath the paved parking and landscaped areas of the proposed project site will be monitored full-time to a maximum depth of 5 feet below the existing ground surface. ii) If no TCRs have been identified within soils to this depth, monitoring will be reduced to no more than once a week, continuing at this frequency to a depth of 30 feet below the surface. iii) District staff, based on ongoing review of observed subsurface conditions and information provided by Native American and archaeological monitors, may adjust monitoring strategies (increase, decrease, or discontinue), as appropriate. iv) Should a potential TCR be inadvertently encountered, all construction work involving ground disturbance occurring within the vicinity of the find shall immediately stop and the District be notified. If the unanticipated resource is archaeological in nature, appropriate management requirements shall be implemented as outlined in MM-CUL-2 in conjunction with the following provisions specific to the management of TCRs. Depending on the nature of the find, if the District determines, pursuant to California Public Resources	Prior to and during construction	County Sanitation District No. 5 of Los Angeles County	

Table 17. Mitigation Monitoring and Reporting Program

Mitigation Measure	Implementation Timing	Agency Responsible for Monitoring	Date of Completion
Code Section 21074 (a)(2), that the find appears to be a TCR in its discretion and is supported by substantial evidence, the affected tribe shall be provided a reasonable period of time to make recommendations. The District will review recommendations and move forward with management options determined to be reasonable and feasible. The project may resume ground-disturbing activities near the find after it has complied with these recommendations. v) Native American and archaeological monitors shall document monitoring activities with daily logs and photograph disturbed soils to document compliance with MM-TCR-1 through 3. These logs, prepared by a qualified archaeologist, shall be appended to a monitoring summary letter report before being submitted to the District within 3 months of completion of monitoring.			
MM-TRC-2 Although no tribal cultural resources (TCRs) have been identified that may be affected by the project, the following approach for the inadvertent discovery of TCRs has been prepared to ensure there are no impacts to unanticipated resources. Should a potential TCR be encountered during construction activities, all work in the immediate vicinity of the discovery (within 50 feet) shall cease, the Districts shall be notified, and a qualified archaeologist meeting Secretary of Interior standards shall assess the find. The Districts shall notify Native American tribes consulting under Assembly Bill (AB) 52. If the potential resource is archaeological in nature, appropriate management requirements shall be implemented, as outlined in Mitigation Measure **MM-TCR-1**. If the Districts determines that the potential resource is a TCR (as defined by PRC, Section 21074), tribes consulting under AB 52 shall be provided a reasonable period of time, typically 5 days from the date that a new discovery is made, to conduct a site visit and make recommendations regarding future ground disturbance activities and the treatment and disposition of any discovered TCRs. Depending on the nature of the resource and tribal recommendations, review by a qualified archaeologist may be required. Implementation of proposed recommendations shall be made based on the determination of the Districts that the approach is reasonable and feasible. Work on the other areas of the project site outside of the buffered area may continue during this assessment period. All activities shall be conducted in accordance with regulatory requirements.	During construction	County Sanitation District No. 5 of Los Angeles County	

Table 17. Mitigation Monitoring and Reporting Program

Mitigation Measure	Implementation Timing	Agency Responsible for Monitoring	Date of Completion
MM-TRC-3 If significant Native American cultural resources, as defined by CEQA (as amended, 2015), are discovered and avoidance cannot be ensured, a qualified archaeologist shall be retained to develop a Cultural Resources Treatment Plan, the drafts of which shall be provided to the interested tribe(s) for review and comment. (1) All in-field investigations, assessments, and/or data recovery enacted pursuant to the finalized Treatment Plan shall be monitored by a Native American monitor. (2) The Districts shall, in good faith, consult with the interested tribe(s) on the disposition and treatment of any artifacts or other cultural materials encountered during the project	During construction	County Sanitation District No. 5 of Los Angeles County	

7 References and Preparers

7.1 References Cited

14 CCR 15000–15387 and Appendices A through L. Guidelines for Implementation of the California Environmental Quality Act, as amended.

CalEPA (California Environmental Protection Agency). 2019. "Cortese List: Section 65962.5(a)." Accessed March 6, 2019. https://calepa.ca.gov/sitecleanup/corteselist/section-65962-5a/.

CAL FIRE. 2019. Fire Hazard Severity Zone Viewer. Accessed March 6, 2019. http://egis.fire.ca.gov/FHSZ/.

California Natural Resources Agency. 2009. *Final Statement of Reasons for Regulatory Action: Amendments to the State CEQA Guidelines Addressing Analysis and Mitigation of Greenhouse Gas Emissions Pursuant to SB 97*. December 2009. Accessed March 2018. http://resources.ca.gov/ceqa/docs/Final_Statement_of_Reasons.pdf.

California Public Resources Code, Section 21000–21177. California Environmental Quality Act, as amended.

Caltrans (California Department of Transportation). 2013. *Transportation and Construction Vibration Guidance Manual*. Division of Environmental Analysis, Environmental Engineering, Hazardous Waste, Air, Noise, Paleontology Office. Sacramento, CA. September 2013.

Caltrans. 2011. "California Scenic Highway Mapping System." Updated September 7, 2011. http://www.dot.ca.gov/hq/LandArch/16_livability/scenic_highways/index.htm.

CAPCOA (California Air Pollution Control Officers Association). 2008. *CEQA & Climate Change: Evaluating and Addressing Greenhouse Gas Emissions from Projects Subject to the California Environmental Quality Act*. January 2008. Accessed September 2018. http://capcoa.org/wp-content/uploads/downloads/2010/05/CAPCOA-White-Paper.pdf.

CAPCOA. 2017. *California Emissions Estimator Model (CalEEMod) User's Guide Version 2016.3.2.* Prepared by Trinity Consultants and the California Air Districts. November 2017. http://www.caleemod.com/.

CARB (California Air Resources Board). 2014. *First Update to the AB 32 Scoping Plan: Building on the Framework*. May 2014. Accessed March 2018. https://www.arb.ca.gov/cc/scopingplan/2013_update/first_update_climate_change_scoping_plan.pdf.

CARB. 2017a. "Area Designation Maps/State and National." Accessed March 2018. http://www.arb.ca.gov/desig/adm/adm.htm.

CARB. 2017b. *The 2017 Climate Change Scoping Plan Update*. January 20, 2017. Accessed March 2018. https://www.arb.ca.gov/cc/scopingplan/2030sp_pp_final.pdf.

CEC (California Energy Commission). 2018. "2017 Power Content Label for Southern California Edison." Accessed March 2019. https://www.energy.ca.gov/pcl/labels/2017_labels/SCE_2017_PCL.pdf.

City of Gardena. 2006a. *Gardena General Plan Open Space Plan*. Adopted April 25, 2006. http://www.cityofgardena.org/wp-content/uploads/2016/04/generalplan6.pdf.

City of Gardena. 2006b. *General Plan Community Design Plan*. Adopted April 25, 2006. http://www.cityofgardena.org/general-plan/.

City of Gardena. 2006c. *Gardena General Plan Conservation Plan*. Adopted April 25, 2006. http://www.cityofgardena.org/wp-content/uploads/2016/04/generalplan7.pdf.

City of Gardena. 2006d. *Gardena General Plan Public Safety Plan*. Adopted April 25, 2006. http://www.cityofgardena.org/wp-content/uploads/2016/04/generalplan8.pdf.

City of Gardena. 2006e. *Gardena General Plan Land Use Plan*. Adopted April 25, 2006. http://www.cityofgardena.org/wp-content/uploads/2016/04/generalplan2.pdf.

City of Gardena 2006f. *Gardena Noise Plan*. Adopted April 25, 2006. http://www.cityofgardena.org/ wp-content/uploads/2016/04/generalplan9.pdf.

City of Gardena 2018. Gardena Municipal Code. Current through November 13, 2018. https://www.codepublishing.com/CA/Gardena/.

City of Gardena and SBCCOG (City of Gardena and South Bay Cities Council of Governments). 2017. *City of Gardena Climate Action Plan*. Accessed March 2019. http://www.cityofgardena.org/ wp-content/uploads/2016/04/Gardena_Climate-Action-Plan-Final.pdf.

City of Torrance. 2010. *City of Torrance General Plan, Chapter 5, Noise Element*. Adopted April 6, 2010. https://www.torranceca.gov/home/showdocument?id=2726.

County of Los Angeles. 2019. "L.A. County's Airport Land Use Commission Site." Accessed March 6, 2019. http://lacounty.maps.arcgis.com/apps/webappviewer/index.html?id=acf2e87194a54af9b266bf07547f240a.

Department of Regional Planning. 2015. "Significant Ecological Areas and Coastal Resource Areas Policy Map. February 2015. http://planning.lacounty.gov/assets/upl/project/gp_2035_2014-FIG_9-3_ significant_ecological_areas.pdf.

Dibblee, T.W., Ehrenspeck, H.E., Ehlig, P.L., and W.L. Bartlett, 1999. Geologic map of the Palos Verdes Peninsula and vicinity, Redondo Beach, Torrance, and San Pedro quadrangles, Los Angeles County, California: Dibblee Geological Foundation, Dibblee Foundation Map DF-70, scale 1:24,000.

Districts (County Sanitation Districts of Los Angeles County). 2014.*Sewer System Management Plan*. February 2014.

DOC (Department of Conservation). 2016a. "California Important Farmland Finder." Los Angeles, 2016. Accessed March 4, 2019. https://maps.conservation.ca.gov/DLRP/CIFF/.

DOC. 2016b. "Los Angeles County Williamson Act FY 2015/2016." Accessed March 2018. ftp://ftp.consrv.ca.gov/pub/dlrp/wa/LA_15_16_WA.pdf.

DOC. 2019. Earthquake Hazards Zone Application ("EQ Zapp"). Accessed March 5, 2019. https://maps.conservation.ca.gov/cgs/EQZApp/app/.

U.S. Department of Transportation (U.S. DOT). 2018. *Transit Noise and Vibration Impact Assessment Manual*. DOT, Federal Transit Administration. September 2018.

EPA (U.S. Environmental Protection Agency). 2018. "EPA Region 9 Air Quality Maps and Geographic Information." Accessed March 2018. http://www.epa.gov/region9/air/maps.

EPA. n.d. "Criteria Air Pollutants." Accessed September 2018. https://www.epa.gov/criteria-air-pollutants.

FEMA (Federal Emergency Management Agency). 2008. Flood Insurance Rate Map Panel 06037C1936F. September 26, 2008.

FHWA (Federal Highway Administration). 2008. Roadway Construction Noise Model (RCNM), Software Version 1.1. U.S. Department of Transportation, Research and Innovative Technology Administration, John A. Volpe National Transportation Systems Center, Environmental Measurement and Modeling Division. Washington, D.C. December 8, 2008.

IPCC (Intergovernmental Panel on Climate Change). 2007. *IPCC Fourth Assessment Synthesis of Scientific-Technical Information Relevant to Interpreting Article 2 of the U.N. Framework Convention on Climate Change*. Geneva, Switzerland: Intergovernmental Panel on Climate Change. Accessed October 2018. https://www.ipcc.ch/pdf/assessment-report/ar4/syr/ar4_syr.pdf.

Los Angeles County Airport Land Use Commission. 2004. *Los Angeles County Airport Land Use Plan*. December 1, 2004. Accessed April 8, 2019. http://planning.lacounty.gov/assets/upl/data/pd_alup.pdf.

McLeod, S.A. 2019. Vertebrate Paleontology Records Check for Paleontological Resources for the Proposed Gardena Pumping Plant Upgrades Project, Dudek Project # 10632, in the City of Gardena, Los Angeles County, Project Area. Unpublished Records Search Results Letter from the Natural History Museum of Los Angeles County, Los Angeles, California.

OEHHA (Office of Environmental Health Hazard Assessment). 2015. *Air Toxics Hot Spots Program Risk Assessment Guidelines: Guidance Manual for Preparation of Health Risk Assessments*. February 2015. Accessed March 2018. https://oehha.ca.gov/media/downloads/crnr/2015guidancemanual.pdf.

SCAG (Southern California Association of Governments). 2016. *2016–2040 Regional Transportation Plan/Sustainable Communities Strategy: A Plan for Mobility, Accessibility, Sustainability, and a High Quality of Life.* Adopted April 2016. Accessed March 2018. http://scagrtpscs.net/Documents/2016/final/f2016RTPSCS.pdf.

SCAQMD (South Coast Air Quality Management District). 1993. *CEQA Air Quality Handbook*.

SCAQMD. 2003. *White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution.* August 2003. http://www.aqmd.gov/docs/default-source/Agendas/Environmental-Justice/cumulative-impacts-working-group/cumulative-impacts-white-paper.pdf.

SCAQMD. 2005. "Rule 403, Fugitive Dust." Amended June 3, 2005. Accessed September 2018. http://www.aqmd.gov/docs/default-source/rule-book/rule-iv/rule-403.pdf?sfvrsn=4.

SCAQMD. 2008a. *Final Localized Significance Threshold Methodology.* Revised July 2008. Accessed September 2018. http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/final-lst-methodology-document.pdf?sfvrsn=2.

SCAQMD. 2008b. *Draft Guidance Document—Interim CEQA Greenhouse Gas (GHG) Significance Threshold*. October 2008. Accessed September 2018. http://www.aqmd.gov/docs/default-source/ceqa/handbook/greenhouse-gases-(ghg)-ceqa-significance-thresholds/year-2008-2009/ghg-meeting-6/ghg-meeting-6-guidance-document-discussion.pdf?sfvrsn=2.

SCAQMD. 2008c. "A Resolution of the Governing Board of the South Coast Air Quality Management District (AQMD) approving the Interim Greenhouse Gas (GHG) Significance Threshold to Be Used by the AQMD for Industrial Source Projects, Rules and Plans When It Is the Lead Agency for Projects Subject to the California Environmental Quality Act (CEQA)." Resolution No. 08-35. Adopted December 5, 2008.

SCAQMD. 2010. *Greenhouse Gas CEQA Significance Threshold Stakeholder Working Group Meeting #15*. September 28, 2010. PowerPoint slides. Accessed March 2018. http://www.aqmd.gov/docs/default-source/ceqa/handbook/greenhouse-gases-(ghg)-ceqa-significance-thresholds/year-2008-2009/ghg-meeting-15/ghg-meeting-15-main-presentation.pdf?sfvrsn=2.

SCAQMD. 2015. "SCAQMD Air Quality Significance Thresholds." Originally published in *CEQA Air Quality Handbook*, Table A9-11-A. Revised March 2015. Accessed March 2018. http://www.aqmd.gov/docs/default-source/ceqa/handbook/scaqmd-air-quality-significance-thresholds.pdf?sfvrsn=2.

SCAQMD. 2017. *Final 2016 Air Quality Management Plan.* Accessed October 2017. http://www.aqmd.gov/docs/default-source/clean-air-plans/air-quality-management-plans/2016-air-quality-management-plan/final-2016-aqmp/final2016aqmp.pdf?sfvrsn=15.

SVP (Society of Vertebrate Paleontology). 2010. Standard Procedures for the Assessment and Mitigation of Adverse Impacts to Paleontological Resources. 11 p. http://vertpaleo.org/PDFS/68/68c554bb-86f1-442f-a0dc-25299762d36c.pdf.

USFWS (U.S. Fish and Wildlife Service). 2019. "National Wetlands Inventory." Accessed March 5, 2019. https://www.fws.gov/wetlands/Data/Mapper.html.

7.2 List of Preparers

Dudek

Rachel Struglia, PhD, AICP, Project Manager
Sabrina Alonso, Environmental Analyst
Matt Morales, Air Quality and Greenhouse Gases
Kate Kaiser, Historical Resources
Erica Nicolay, Archaeology
Mike Williams, Paleontology
Nicole Peacock, Hazards and Hazardous Materials
Audrey Herschberger, Hazards and Hazardous Materials
Michael Greene, Senior Acoustician
Amanda Meroux, Transportation Specialist
Dennis Pascua, Senior Transportation Specialist
Kirsten Zecher, GIS Technician
Joel Miller, Technical Editor
David Mueller, Senior Publications Specialist
Daniela Yurovsky, Publications Specialist

INTENTIONALLY LEFT BLANK

Appendix A

Air Quality and Greenhouse Gas Emissions

Gardena Pumping Plant - Project
Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	0.60	1000sqft	0.01	600.00	0
Parking Lot	10.00	1000sqft	0.23	10,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	8			**Operational Year**	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	601.59	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Adjusted CO2 Intensity Factor based on SCE's 2017 Power Content Label

Land Use - 600 square foot proposed pump plant and 10 ksf area to be paved

Construction Phase - Construction schedule based on LACSD input

Off-road Equipment - Added a trencher to Grading phase for infrastructure

Trips and VMT - Default on-road vehicles, rounded up to even numbers

Demolition - Debris tonnage based on CalEEMod factor of 0.046 tons/sf for buildings and CalRecycle factor of 2,400 lbs asphalt debris/yd3

Grading - 10,000 CY soil export, total acreage graded based on rubber tired dozer of 0.5 acre/8-hour day per SCAQMD

Architectural Coating - Default architectural coatings

Vehicle Trips - One Pumping Plant Operator per day

Consumer Products - Default

Area Coating - Default

Energy Use - Adjusted electricity to match values provided by LACSD

Water And Wastewater - Adjusted to match values provided by LACSD

Solid Waste - Adjusted to match values provided by LACSD

Construction Off-road Equipment Mitigation - Water exposed areas 3x/day, limit vehicle speeds to 15 mph

Stationary Sources - Emergency Generators and Fire Pumps - Proposed 350 kW emergency generator - 1 hour testing per day per month; up to 50 hours per year per ATCM

Stationary Sources - Emergency Generators and Fire Pumps EF - Default emission rates for the proposed Tier 3 generator

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	5.00	11.00
tblConstructionPhase	NumDays	100.00	348.00
tblConstructionPhase	NumDays	10.00	132.00
tblConstructionPhase	NumDays	10.00	21.00
tblConstructionPhase	NumDays	2.00	129.00
tblConstructionPhase	NumDays	5.00	11.00
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	NT24E	3.83	599.92
tblEnergyUse	NT24NG	6.86	0.00
tblEnergyUse	T24E	1.63	0.00
tblEnergyUse	T24NG	14.04	0.00
tblGrading	AcresOfGrading	0.00	8.10
tblGrading	MaterialExported	0.00	10,000.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Grading
tblProjectCharacteristics	CO2IntensityFactor	702.44	601.59
tblSolidWaste	SolidWasteGenerationRate	0.74	0.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	50.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblTripsAndVMT	HaulingTripNumber	51.00	52.00

tblTripsAndVMT	WorkerTripNumber	13.00	10.00
tblTripsAndVMT	WorkerTripNumber	1.00	2.00
tblVehicleTrips	CC_TTP	28.00	0.00
tblVehicleTrips	CNW_TTP	13.00	0.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.32	3.33
tblVehicleTrips	SU_TR	0.68	3.33
tblVehicleTrips	WD_TR	6.97	3.33
tblWater	IndoorWaterUseRate	138,750.00	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	0.8427	7.3882	7.9967	0.0134	0.2016	0.4086	0.6102	0.0441	0.3897	0.4338	0.0000	1,294.6556	1,294.6556	0.2195	0.0000	1,300.1420
2022	1.1903	12.2347	11.0432	0.0239	1.1093	0.5848	1.6941	0.4984	0.5503	1.0487	0.0000	2,395.2221	2,395.2221	0.3755	0.0000	2,404.6098
2023	0.9577	6.5684	7.7619	0.0134	0.2273	0.3208	0.5104	0.0534	0.2951	0.3189	0.0000	1,292.4235	1,292.4235	0.3611	0.0000	1,297.7780
Maximum	**1.1903**	**12.2347**	**11.0432**	**0.0239**	**1.1093**	**0.5848**	**1.6941**	**0.4984**	**0.5503**	**1.0487**	**0.0000**	**2,395.2221**	**2,395.2221**	**0.3755**	**0.0000**	**2,404.6098**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	0.8427	7.3882	7.9967	0.0134	0.1510	0.4086	0.5596	0.0364	0.3897	0.4262	0.0000	1,294.6556	1,294.6556	0.2195	0.0000	1,300.1420
2022	1.1903	12.2347	11.0432	0.0239	0.6042	0.5848	1.1890	0.2408	0.5503	0.7911	0.0000	2,395.2221	2,395.2221	0.3755	0.0000	2,404.6098
2023	0.9577	6.5684	7.7619	0.0134	0.2012	0.3208	0.4670	0.0534	0.2951	0.3106	0.0000	1,292.4235	1,292.4235	0.3611	0.0000	1,297.7780
Maximum	**1.1903**	**12.2347**	**11.0432**	**0.0239**	**0.6042**	**0.5848**	**1.1890**	**0.2408**	**0.5503**	**0.7911**	**0.0000**	**2,395.2221**	**2,395.2221**	**0.3755**	**0.0000**	**2,404.6098**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**37.83**	**0.00**	**21.29**	**44.52**	**0.00**	**15.18**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0178	1.0000e-005	1.0800e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.3200e-003	2.3200e-003	1.0000e-005		2.4700e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	4.2200e-003	0.0187	0.0712	2.9000e-004	0.0257	2.1000e-004	0.0259	6.8700e-003	2.0000e-004	7.0600e-003		29.6305	29.6305	1.3200e-003		29.6635
Stationary	0.7696	2.1512	1.9625	3.7000e-003		0.1132	0.1132		0.1132	0.1132		393.7321	393.7321	0.0552		395.1122
Total	**0.7916**	**2.1698**	**2.0348**	**3.9900e-003**	**0.0257**	**0.1134**	**0.1391**	**6.8700e-003**	**0.1134**	**0.1203**		**423.3649**	**423.3649**	**0.0565**	**0.0000**	**424.7781**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0178	1.0000e-005	1.0800e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.3200e-003	2.3200e-003	1.0000e-005		2.4700e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	4.2200e-003	0.0187	0.0712	2.9000e-004	0.0257	2.1000e-004	0.0259	6.8700e-003	2.0000e-004	7.0600e-003		29.6305	29.6305	1.3200e-003		29.6635
Stationary	0.7696	2.1512	1.9625	3.7000e-003		0.1132	0.1132		0.1132	0.1132		393.7321	393.7321	0.0552		395.1122
Total	**0.7916**	**2.1698**	**2.0348**	**3.9900e-003**	**0.0257**	**0.1134**	**0.1391**	**6.8700e-003**	**0.1134**	**0.1203**		**423.3649**	**423.3649**	**0.0565**	**0.0000**	**424.7781**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition of Other Buildings	Demolition	7/1/2021	12/31/2021	5	132	
2	Grading	Grading	1/1/2022	6/30/2022	5	129	
3	Building Construction	Building Construction	7/1/2022	10/31/2023	5	348	
4	Architectural Coating	Architectural Coating	11/1/2023	11/15/2023	5	11	
5	Demolition of Existing Pumping Plant	Demolition	11/16/2023	12/14/2023	5	21	
6	Paving	Paving	12/15/2023	12/29/2023	5	11	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 8.1

Acres of Paving: 0.23

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 900; Non-Residential Outdoor: 300; Striped Parking Area: 600

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition of Other Buildings	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition of Other Buildings	Rubber Tired Dozers	1	1.00	247	0.40
Demolition of Other Buildings	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Trenchers	1	8.00	78	0.50
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition of Existing Pumping Plant	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition of Existing Pumping Plant	Rubber Tired Dozers	1	1.00	247	0.40

Demolition of Existing Pumping Plant	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition of Other Buildings	4	10.00	0.00	52.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	5	10.00	0.00	1,250.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	4.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition of Existing Pumping Plant	4	10.00	0.00	10.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition of Other Buildings - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0830	0.0000	0.0830	0.0126	0.0000	0.0126			0.0000			0.0000
Off-Road	0.7965	7.2530	7.5691	0.0120		0.4073	0.4073		0.3886	0.3886		1,147.4338	1,147.4338	0.2138		1,152.7797
Total	**0.7965**	**7.2530**	**7.5691**	**0.0120**	**0.0830**	**0.4073**	**0.4903**	**0.0126**	**0.3886**	**0.4012**		**1,147.4338**	**1,147.4338**	**0.2138**		**1,152.7797**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.2800e-003	0.1057	0.0248	3.1000e-004	6.8900e-003	3.2000e-004	7.2100e-003	1.8900e-003	3.1000e-004	2.2000e-003		33.3449	33.3449	2.2600e-003		33.4014
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0429	0.0295	0.4028	1.1400e-003	0.1118	9.0000e-004	0.1127	0.0296	8.3000e-004	0.0305		113.8770	113.8770	3.3600e-003		113.9609
Total	**0.0462**	**0.1351**	**0.4276**	**1.4500e-003**	**0.1187**	**1.2200e-003**	**0.1199**	**0.0315**	**1.1400e-003**	**0.0327**		**147.2218**	**147.2218**	**5.6200e-003**		**147.3623**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0324	0.0000	0.0324	4.9000e-003	0.0000	4.9000e-003			0.0000			0.0000
Off-Road	0.7965	7.2530	7.5691	0.0120		0.4073	0.4073		0.3886	0.3886	0.0000	1,147.4338	1,147.4338	0.2138		1,152.7797
Total	**0.7965**	**7.2530**	**7.5691**	**0.0120**	**0.0324**	**0.4073**	**0.4397**	**4.9000e-003**	**0.3886**	**0.3935**	**0.0000**	**1,147.4338**	**1,147.4338**	**0.2138**		**1,152.7797**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day											lb/day				
Hauling	3.2800e-003	0.1057	0.0248	3.1000e-004	6.8900e-003	3.2000e-004	7.2100e-003	1.8900e-003	3.1000e-004	2.2000e-003		33.3449	33.3449	2.2600e-003		33.4014
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0429	0.0295	0.4028	1.1400e-003	0.1118	9.0000e-004	0.1127	0.0296	8.3000e-004	0.0305		113.8770	113.8770	3.3600e-003		113.9609
Total	**0.0462**	**0.1351**	**0.4276**	**1.4500e-003**	**0.1187**	**1.2200e-003**	**0.1199**	**0.0315**	**1.1400e-003**	**0.0327**		**147.2218**	**147.2218**	**5.6200e-003**		**147.3623**

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Fugitive Dust					0.8281	0.0000	0.8281	0.4223	0.0000	0.4223			0.0000			0.0000
Off-Road	1.0733	9.7935	10.0683	0.0154		0.5770	0.5770		0.5428	0.5428		1,474.8519	1,474.8519	0.3177		1,482.7931
Total	**1.0733**	**9.7935**	**10.0683**	**0.0154**	**0.8281**	**0.5770**	**1.4051**	**0.4223**	**0.5428**	**0.9651**		**1,474.8519**	**1,474.8519**	**0.3177**		**1,482.7931**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Hauling	0.0769	2.4146	0.6033	7.4600e-003	0.1694	6.9300e-003	0.1764	0.0465	6.6300e-003	0.0531		810.4990	810.4990	0.0548		811.8697
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0402	0.0266	0.3716	1.1000e-003	0.1118	8.7000e-004	0.1127	0.0296	8.1000e-004	0.0305		109.8712	109.8712	3.0300e-003		109.9470

Total	**0.1170**	**2.4412**	**0.9749**	**8.5600e-003**	**0.2812**	**7.8000e-003**	**0.2890**	**0.0761**	**7.4400e-003**	**0.0835**		**920.3702**	**920.3702**	**0.0579**		**921.8167**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.3230	0.0000	0.3230	0.1647	0.0000	0.1647			0.0000			0.0000
Off-Road	1.0733	9.7935	10.0683	0.0154		0.5770	0.5770		0.5428	0.5428	0.0000	1,474.8519	1,474.8519	0.3177		1,482.7931
Total	**1.0733**	**9.7935**	**10.0683**	**0.0154**	**0.3230**	**0.5770**	**0.9000**	**0.1647**	**0.5428**	**0.7075**	**0.0000**	**1,474.8519**	**1,474.8519**	**0.3177**		**1,482.7931**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0769	2.4146	0.6033	7.4600e-003	0.1694	6.9300e-003	0.1764	0.0465	6.6300e-003	0.0531		810.4990	810.4990	0.0548		811.8697
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0402	0.0266	0.3716	1.1000e-003	0.1118	8.7000e-004	0.1127	0.0296	8.1000e-004	0.0305		109.8712	109.8712	3.0300e-003		109.9470
Total	**0.1170**	**2.4412**	**0.9749**	**8.5600e-003**	**0.2812**	**7.8000e-003**	**0.2890**	**0.0761**	**7.4400e-003**	**0.0835**		**920.3702**	**920.3702**	**0.0579**		**921.8167**

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6863	7.0258	7.1527	0.0114		0.3719	0.3719		0.3422	0.3422		1,103.9393	1,103.9393	0.3570		1,112.8652
Total	**0.6863**	**7.0258**	**7.1527**	**0.0114**		**0.3719**	**0.3719**		**0.3422**	**0.3422**		**1,103.9393**	**1,103.9393**	**0.3570**		**1,112.8652**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.7100e-003	0.1847	0.0480	5.1000e-004	0.0128	3.5000e-004	0.0132	3.6900e-003	3.3000e-004	4.0200e-003		54.4972	54.4972	3.1300e-003		54.5754
Worker	0.0161	0.0107	0.1486	4.4000e-004	0.0447	3.5000e-004	0.0451	0.0119	3.2000e-004	0.0122		43.9485	43.9485	1.2100e-003		43.9788
Total	**0.0218**	**0.1953**	**0.1967**	**9.5000e-004**	**0.0575**	**7.0000e-004**	**0.0582**	**0.0156**	**6.5000e-004**	**0.0162**		**98.4457**	**98.4457**	**4.3400e-003**		**98.5542**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6863	7.0258	7.1527	0.0114		0.3719	0.3719		0.3422	0.3422	0.0000	1,103.9393	1,103.9393	0.3570		1,112.8652
Total	**0.6863**	**7.0258**	**7.1527**	**0.0114**		**0.3719**	**0.3719**		**0.3422**	**0.3422**	**0.0000**	**1,103.9393**	**1,103.9393**	**0.3570**		**1,112.8652**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.7100e-003	0.1847	0.0480	5.1000e-004	0.0128	3.5000e-004	0.0132	3.6900e-003	3.3000e-004	4.0200e-003		54.4972	54.4972	3.1300e-003		54.5754
Worker	0.0161	0.0107	0.1486	4.4000e-004	0.0447	3.5000e-004	0.0451	0.0119	3.2000e-004	0.0122		43.9485	43.9485	1.2100e-003		43.9788
Total	**0.0218**	**0.1953**	**0.1967**	**9.5000e-004**	**0.0575**	**7.0000e-004**	**0.0582**	**0.0156**	**6.5000e-004**	**0.0162**		**98.4457**	**98.4457**	**4.3400e-003**		**98.5542**

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6322	6.4186	7.0970	0.0114		0.3203	0.3203		0.2946	0.2946		1,104.6089	1,104.6089	0.3573		1,113.5402
Total	**0.6322**	**6.4186**	**7.0970**	**0.0114**		**0.3203**	**0.3203**		**0.2946**	**0.2946**		**1,104.6089**	**1,104.6089**	**0.3573**		**1,113.5402**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	4.2300e-003	0.1401	0.0434	4.9000e-004	0.0128	1.6000e-004	0.0130	3.6900e-003	1.5000e-004	3.8400e-003		52.7815	52.7815	2.7700e-003		52.8508
Worker	0.0151	9.6300e-003	0.1369	4.2000e-004	0.0447	3.4000e-004	0.0451	0.0119	3.1000e-004	0.0122		42.3393	42.3393	1.0900e-003		42.3666
Total	**0.0193**	**0.1497**	**0.1803**	**9.1000e-004**	**0.0575**	**5.0000e-004**	**0.0580**	**0.0156**	**4.6000e-004**	**0.0160**		**95.1208**	**95.1208**	**3.8600e-003**		**95.2174**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6322	6.4186	7.0970	0.0114		0.3203	0.3203		0.2946	0.2946	0.0000	1,104.6089	1,104.6089	0.3573		1,113.5402
Total	**0.6322**	**6.4186**	**7.0970**	**0.0114**		**0.3203**	**0.3203**		**0.2946**	**0.2946**	**0.0000**	**1,104.6089**	**1,104.6089**	**0.3573**		**1,113.5402**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	4.2300e-003	0.1401	0.0434	4.9000e-004	0.0128	1.6000e-004	0.0130	3.6900e-003	1.5000e-004	3.8400e-003		52.7815	52.7815	2.7700e-003		52.8508

Worker	0.0151	9.6300e-003	0.1369	4.2000e-004	0.0447	3.4000e-004	0.0451	0.0119	3.1000e-004	0.0122		42.3393	42.3393	1.0900e-003		42.3666
Total	**0.0193**	**0.1497**	**0.1803**	**9.1000e-004**	**0.0575**	**5.0000e-004**	**0.0580**	**0.0156**	**4.6000e-004**	**0.0160**		**95.1208**	**95.1208**	**3.8600e-003**		**95.2174**

3.5 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.7585					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**0.9501**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	7.5400e-003	4.8200e-003	0.0684	2.1000e-004	0.0224	1.7000e-004	0.0225	5.9300e-003	1.6000e-004	6.0900e-003		21.1696	21.1696	5.5000e-004		21.1833
Total	**7.5400e-003**	**4.8200e-003**	**0.0684**	**2.1000e-004**	**0.0224**	**1.7000e-004**	**0.0225**	**5.9300e-003**	**1.6000e-004**	**6.0900e-003**		**21.1696**	**21.1696**	**5.5000e-004**		**21.1833**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.7585					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**0.9501**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	7.5400e-003	4.8200e-003	0.0684	2.1000e-004	0.0224	1.7000e-004	0.0225	5.9300e-003	1.6000e-004	6.0900e-003		21.1696	21.1696	5.5000e-004		21.1833
Total	**7.5400e-003**	**4.8200e-003**	**0.0684**	**2.1000e-004**	**0.0224**	**1.7000e-004**	**0.0225**	**5.9300e-003**	**1.6000e-004**	**6.0900e-003**		**21.1696**	**21.1696**	**5.5000e-004**		**21.1833**

3.6 Demolition of Existing Pumping Plant - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1072	0.0000	0.1072	0.0162	0.0000	0.0162			0.0000			0.0000

Off-Road	0.6463	5.7787	7.3926	0.0120		0.2821	0.2821		0.2698	0.2698		1,148.4055	1,148.4055	0.2089		1,153.6290
Total	**0.6463**	**5.7787**	**7.3926**	**0.0120**	**0.1072**	**0.2821**	**0.3893**	**0.0162**	**0.2698**	**0.2860**		**1,148.4055**	**1,148.4055**	**0.2089**		**1,153.6290**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.4800e-003	0.0783	0.0271	3.5000e-004	8.3300e-003	1.4000e-004	8.4700e-003	2.2800e-003	1.4000e-004	2.4200e-003		38.1698	38.1698	2.5100e-003		38.2325
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0377	0.0241	0.3422	1.0600e-003	0.1118	8.5000e-004	0.1126	0.0296	7.8000e-004	0.0304		105.8482	105.8482	2.7300e-003		105.9166
Total	**0.0402**	**0.1024**	**0.3693**	**1.4100e-003**	**0.1201**	**9.9000e-004**	**0.1211**	**0.0319**	**9.2000e-004**	**0.0329**		**144.0180**	**144.0180**	**5.2400e-003**		**144.1490**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0418	0.0000	0.0418	6.3300e-003	0.0000	6.3300e-003			0.0000			0.0000
Off-Road	0.6463	5.7787	7.3926	0.0120		0.2821	0.2821		0.2698	0.2698	0.0000	1,148.4055	1,148.4055	0.2089		1,153.6290
Total	**0.6463**	**5.7787**	**7.3926**	**0.0120**	**0.0418**	**0.2821**	**0.3239**	**6.3300e-003**	**0.2698**	**0.2761**	**0.0000**	**1,148.4055**	**1,148.4055**	**0.2089**		**1,153.6290**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.4800e-003	0.0783	0.0271	3.5000e-004	8.3300e-003	1.4000e-004	8.4700e-003	2.2800e-003	1.4000e-004	2.4200e-003		38.1698	38.1698	2.5100e-003		38.2325
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0377	0.0241	0.3422	1.0600e-003	0.1118	8.5000e-004	0.1126	0.0296	7.8000e-004	0.0304		105.8482	105.8482	2.7300e-003		105.9166
Total	**0.0402**	**0.1024**	**0.3693**	**1.4100e-003**	**0.1201**	**9.9000e-004**	**0.1211**	**0.0319**	**9.2000e-004**	**0.0329**		**144.0180**	**144.0180**	**5.2400e-003**		**144.1490**

3.7 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6112	5.5046	7.0209	0.0113		0.2643	0.2643		0.2466	0.2466		1,036.0878	1,036.0878	0.3018		1,043.6331
Paving	0.0548					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.6659**	**5.5046**	**7.0209**	**0.0113**		**0.2643**	**0.2643**		**0.2466**	**0.2466**		**1,036.0878**	**1,036.0878**	**0.3018**		**1,043.6331**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0679	0.0433	0.6160	1.9100e-003	0.2012	1.5300e-003	0.2027	0.0534	1.4100e-003	0.0548		190.5268	190.5268	4.9200e-003		190.6498
Total	**0.0679**	**0.0433**	**0.6160**	**1.9100e-003**	**0.2012**	**1.5300e-003**	**0.2027**	**0.0534**	**1.4100e-003**	**0.0548**		**190.5268**	**190.5268**	**4.9200e-003**		**190.6498**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6112	5.5046	7.0209	0.0113		0.2643	0.2643		0.2466	0.2466	0.0000	1,036.0878	1,036.0878	0.3018		1,043.6331
Paving	0.0548					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.6659**	**5.5046**	**7.0209**	**0.0113**		**0.2643**	**0.2643**		**0.2466**	**0.2466**	**0.0000**	**1,036.0878**	**1,036.0878**	**0.3018**		**1,043.6331**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0679	0.0433	0.6160	1.9100e-003	0.2012	1.5300e-003	0.2027	0.0534	1.4100e-003	0.0548		190.5268	190.5268	4.9200e-003		190.6498
Total	**0.0679**	**0.0433**	**0.6160**	**1.9100e-003**	**0.2012**	**1.5300e-003**	**0.2027**	**0.0534**	**1.4100e-003**	**0.0548**		**190.5268**	**190.5268**	**4.9200e-003**		**190.6498**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.2200e-003	0.0187	0.0712	2.9000e-004	0.0257	2.1000e-004	0.0259	6.8700e-003	2.0000e-004	7.0600e-003		29.6305	29.6305	1.3200e-003		29.6635
Unmitigated	4.2200e-003	0.0187	0.0712	2.9000e-004	0.0257	2.1000e-004	0.0259	6.8700e-003	2.0000e-004	7.0600e-003		29.6305	29.6305	1.3200e-003		29.6635

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	2.00	2.00	2.00	12,073	12,073
Parking Lot	0.00	0.00	0.00		
Total	2.00	2.00	2.00	12,073	12,073

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	100.00	0.00	0.00	100	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
Parking Lot	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0178	1.0000e-005	1.0800e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.3200e-003	2.3200e-003	1.0000e-005		2.4700e-003
Unmitigated	0.0178	1.0000e-005	1.0800e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.3200e-003	2.3200e-003	1.0000e-005		2.4700e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.2900e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Consumer Products	0.0154					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-004	1.0000e-005	1.0800e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.3200e-003	2.3200e-003	1.0000e-005		2.4700e-003
Total	**0.0178**	**1.0000e-005**	**1.0800e-003**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**2.3200e-003**	**2.3200e-003**	**1.0000e-005**		**2.4700e-003**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.2900e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0154					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-004	1.0000e-005	1.0800e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.3200e-003	2.3200e-003	1.0000e-005		2.4700e-003
Total	**0.0178**	**1.0000e-005**	**1.0800e-003**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**2.3200e-003**	**2.3200e-003**	**1.0000e-005**		**2.4700e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	1	50	469.36	0.73	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Emergency Generator - Diesel	0.7696	2.1512	1.9625	3.7000e-003		0.1132	0.1132		0.1132	0.1132		393.7321	393.7321	0.0552		395.1122
Total	**0.7696**	**2.1512**	**1.9625**	**3.7000e-003**		**0.1132**	**0.1132**		**0.1132**	**0.1132**		**393.7321**	**393.7321**	**0.0552**		**395.1122**

11.0 Vegetation

Gardena Pumping Plant - Project
Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	0.60	1000sqft	0.01	600.00	0
Parking Lot	10.00	1000sqft	0.23	10,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	8			**Operational Year**	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	601.59	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Adjusted CO2 Intensity Factor based on SCE's 2017 Power Content Label

Land Use - 600 square foot proposed pump plant and 10 ksf area to be paved

Construction Phase - Construction schedule based on LACSD input

Off-road Equipment - Added a trencher to Grading phase for infrastructure

Trips and VMT - Default on-road vehicles, rounded up to even numbers

Demolition - Debris tonnage based on CalEEMod factor of 0.046 tons/sf for buildings and CalRecycle factor of 2,400 lbs asphalt debris/yd3

Grading - 10,000 CY soil export, total acreage graded based on rubber tired dozer of 0.5 acre/8-hour day per SCAQMD

Architectural Coating - Default architectural coatings

Vehicle Trips - One Pumping Plant Operator per day

Consumer Products - Default

Area Coating - Default

Energy Use - Adjusted electricity to match values provided by LACSD

Water And Wastewater - Adjusted to match values provided by LACSD

Solid Waste - Adjusted to match values provided by LACSD

Construction Off-road Equipment Mitigation - Water exposed areas 3x/day, limit vehicle speeds to 15 mph

Stationary Sources - Emergency Generators and Fire Pumps - Proposed 350 kW emergency generator - 1 hour testing per day per month; up to 50 hours per year per ATCM

Stationary Sources - Emergency Generators and Fire Pumps EF - Default emission rates for the proposed Tier 3 generator

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	5.00	11.00
tblConstructionPhase	NumDays	100.00	348.00
tblConstructionPhase	NumDays	10.00	132.00
tblConstructionPhase	NumDays	10.00	21.00
tblConstructionPhase	NumDays	2.00	129.00
tblConstructionPhase	NumDays	5.00	11.00
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	NT24E	3.83	599.92
tblEnergyUse	NT24NG	6.86	0.00
tblEnergyUse	T24E	1.63	0.00
tblEnergyUse	T24NG	14.04	0.00
tblGrading	AcresOfGrading	0.00	8.10
tblGrading	MaterialExported	0.00	10,000.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Grading
tblProjectCharacteristics	CO2IntensityFactor	702.44	601.59
tblSolidWaste	SolidWasteGenerationRate	0.74	0.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	50.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblTripsAndVMT	HaulingTripNumber	51.00	52.00

tblTripsAndVMT	WorkerTripNumber	13.00	10.00
tblTripsAndVMT	WorkerTripNumber	1.00	2.00
tblVehicleTrips	CC_TTP	28.00	0.00
tblVehicleTrips	CNW_TTP	13.00	0.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.32	3.33
tblVehicleTrips	SU_TR	0.68	3.33
tblVehicleTrips	WD_TR	6.97	3.33
tblWater	IndoorWaterUseRate	138,750.00	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	0.8476	7.3926	7.9637	0.0134	0.2016	0.4086	0.6102	0.0441	0.3898	0.4338	0.0000	1,287.4261	1,287.4261	0.2193	0.0000	1,292.9095
2022	1.1968	12.2651	11.0458	0.0237	1.1093	0.5849	1.6942	0.4984	0.5504	1.0488	0.0000	2,374.6429	2,374.6429	0.3772	0.0000	2,384.0727
2023	0.9586	6.5688	7.7326	0.0133	0.2273	0.3208	0.5104	0.0534	0.2951	0.3189	0.0000	1,285.5842	1,285.5842	0.3612	0.0000	1,290.9362
Maximum	**1.1968**	**12.2651**	**11.0458**	**0.0237**	**1.1093**	**0.5849**	**1.6942**	**0.4984**	**0.5504**	**1.0488**	**0.0000**	**2,374.6429**	**2,374.6429**	**0.3772**	**0.0000**	**2,384.0727**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	0.8476	7.3926	7.9637	0.0134	0.1510	0.4086	0.5596	0.0364	0.3898	0.4262	0.0000	1,287.4261	1,287.4261	0.2193	0.0000	1,292.9095
2022	1.1968	12.2651	11.0458	0.0237	0.6042	0.5849	1.1891	0.2408	0.5504	0.7912	0.0000	2,374.6429	2,374.6429	0.3772	0.0000	2,384.0727
2023	0.9586	6.5688	7.7326	0.0133	0.2012	0.3208	0.4670	0.0534	0.2951	0.3107	0.0000	1,285.5842	1,285.5842	0.3612	0.0000	1,290.9362
Maximum	**1.1968**	**12.2651**	**11.0458**	**0.0237**	**0.6042**	**0.5849**	**1.1891**	**0.2408**	**0.5504**	**0.7912**	**0.0000**	**2,374.6429**	**2,374.6429**	**0.3772**	**0.0000**	**2,384.0727**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**37.83**	**0.00**	**21.29**	**44.52**	**0.00**	**15.18**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0178	1.0000e-005	1.0800e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.3200e-003	2.3200e-003	1.0000e-005		2.4700e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	4.1000e-003	0.0193	0.0662	2.8000e-004	0.0257	2.1000e-004	0.0259	6.8700e-003	2.0000e-004	7.0600e-003		28.2550	28.2550	1.3100e-003		28.2876
Stationary	0.7696	2.1512	1.9625	3.7000e-003		0.1132	0.1132		0.1132	0.1132		393.7321	393.7321	0.0552		395.1122
Total	**0.7915**	**2.1705**	**2.0298**	**3.9800e-003**	**0.0257**	**0.1134**	**0.1391**	**6.8700e-003**	**0.1134**	**0.1203**		**421.9894**	**421.9894**	**0.0565**	**0.0000**	**423.4023**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0178	1.0000e-005	1.0800e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.3200e-003	2.3200e-003	1.0000e-005		2.4700e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	4.1000e-003	0.0193	0.0662	2.8000e-004	0.0257	2.1000e-004	0.0259	6.8700e-003	2.0000e-004	7.0600e-003		28.2550	28.2550	1.3100e-003		28.2876
Stationary	0.7696	2.1512	1.9625	3.7000e-003		0.1132	0.1132		0.1132	0.1132		393.7321	393.7321	0.0552		395.1122
Total	**0.7915**	**2.1705**	**2.0298**	**3.9800e-003**	**0.0257**	**0.1134**	**0.1391**	**6.8700e-003**	**0.1134**	**0.1203**		**421.9894**	**421.9894**	**0.0565**	**0.0000**	**423.4023**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition of Other Buildings	Demolition	7/1/2021	12/31/2021	5	132	
2	Grading	Grading	1/1/2022	6/30/2022	5	129	
3	Building Construction	Building Construction	7/1/2022	10/31/2023	5	348	
4	Architectural Coating	Architectural Coating	11/1/2023	11/15/2023	5	11	
5	Demolition of Existing Pumping Plant	Demolition	11/16/2023	12/14/2023	5	21	
6	Paving	Paving	12/15/2023	12/29/2023	5	11	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 8.1

Acres of Paving: 0.23

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 900; Non-Residential Outdoor: 300; Striped Parking Area: 600

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition of Other Buildings	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition of Other Buildings	Rubber Tired Dozers	1	1.00	247	0.40
Demolition of Other Buildings	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Trenchers	1	8.00	78	0.50
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition of Existing Pumping Plant	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition of Existing Pumping Plant	Rubber Tired Dozers	1	1.00	247	0.40

Demolition of Existing Pumping Plant	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition of Other Buildings	4	10.00	0.00	52.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	5	10.00	0.00	1,250.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	4.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition of Existing Pumping Plant	4	10.00	0.00	10.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition of Other Buildings - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0830	0.0000	0.0830	0.0126	0.0000	0.0126			0.0000			0.0000
Off-Road	0.7965	7.2530	7.5691	0.0120		0.4073	0.4073		0.3886	0.3886		1,147.4338	1,147.4338	0.2138		1,152.7797
Total	**0.7965**	**7.2530**	**7.5691**	**0.0120**	**0.0830**	**0.4073**	**0.4903**	**0.0126**	**0.3886**	**0.4012**		**1,147.4338**	**1,147.4338**	**0.2138**		**1,152.7797**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.3600e-003	0.1070	0.0263	3.0000e-004	6.8900e-003	3.3000e-004	7.2200e-003	1.8900e-003	3.2000e-004	2.2000e-003		32.7672	32.7672	2.3400e-003		32.8258
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0477	0.0326	0.3683	1.0800e-003	0.1118	9.0000e-004	0.1127	0.0296	8.3000e-004	0.0305		107.2251	107.2251	3.1600e-003		107.3040
Total	**0.0510**	**0.1396**	**0.3945**	**1.3800e-003**	**0.1187**	**1.2300e-003**	**0.1199**	**0.0315**	**1.1500e-003**	**0.0327**		**139.9923**	**139.9923**	**5.5000e-003**		**140.1298**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0324	0.0000	0.0324	4.9000e-003	0.0000	4.9000e-003			0.0000			0.0000
Off-Road	0.7965	7.2530	7.5691	0.0120		0.4073	0.4073		0.3886	0.3886	0.0000	1,147.4338	1,147.4338	0.2138		1,152.7797
Total	**0.7965**	**7.2530**	**7.5691**	**0.0120**	**0.0324**	**0.4073**	**0.4397**	**4.9000e-003**	**0.3886**	**0.3935**	**0.0000**	**1,147.4338**	**1,147.4338**	**0.2138**		**1,152.7797**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day											lb/day				
Hauling	3.3600e-003	0.1070	0.0263	3.0000e-004	6.8900e-003	3.3000e-004	7.2200e-003	1.8900e-003	3.2000e-004	2.2000e-003		32.7672	32.7672	2.3400e-003		32.8258
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0477	0.0326	0.3683	1.0800e-003	0.1118	9.0000e-004	0.1127	0.0296	8.3000e-004	0.0305		107.2251	107.2251	3.1600e-003		107.3040
Total	**0.0510**	**0.1396**	**0.3945**	**1.3800e-003**	**0.1187**	**1.2300e-003**	**0.1199**	**0.0315**	**1.1500e-003**	**0.0327**		**139.9923**	**139.9923**	**5.5000e-003**		**140.1298**

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Fugitive Dust					0.8281	0.0000	0.8281	0.4223	0.0000	0.4223			0.0000			0.0000
Off-Road	1.0733	9.7935	10.0683	0.0154		0.5770	0.5770		0.5428	0.5428		1,474.8519	1,474.8519	0.3177		1,482.7931
Total	**1.0733**	**9.7935**	**10.0683**	**0.0154**	**0.8281**	**0.5770**	**1.4051**	**0.4223**	**0.5428**	**0.9651**		**1,474.8519**	**1,474.8519**	**0.3177**		**1,482.7931**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Hauling	0.0787	2.4422	0.6384	7.3300e-003	0.1694	7.0400e-003	0.1765	0.0465	6.7400e-003	0.0532		796.3341	796.3341	0.0567		797.7515
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0448	0.0295	0.3392	1.0400e-003	0.1118	8.7000e-004	0.1127	0.0296	8.1000e-004	0.0305		103.4570	103.4570	2.8500e-003		103.5282

Total	**0.1235**	**2.4716**	**0.9775**	**8.3700e-003**	**0.2812**	**7.9100e-003**	**0.2891**	**0.0761**	**7.5500e-003**	**0.0836**		**899.7910**	**899.7910**	**0.0596**		**901.2796**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.3230	0.0000	0.3230	0.1647	0.0000	0.1647			0.0000			0.0000
Off-Road	1.0733	9.7935	10.0683	0.0154		0.5770	0.5770		0.5428	0.5428	0.0000	1,474.8519	1,474.8519	0.3177		1,482.7931
Total	**1.0733**	**9.7935**	**10.0683**	**0.0154**	**0.3230**	**0.5770**	**0.9000**	**0.1647**	**0.5428**	**0.7075**	**0.0000**	**1,474.8519**	**1,474.8519**	**0.3177**		**1,482.7931**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0787	2.4422	0.6384	7.3300e-003	0.1694	7.0400e-003	0.1765	0.0465	6.7400e-003	0.0532		796.3341	796.3341	0.0567		797.7515
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0448	0.0295	0.3392	1.0400e-003	0.1118	8.7000e-004	0.1127	0.0296	8.1000e-004	0.0305		103.4570	103.4570	2.8500e-003		103.5282
Total	**0.1235**	**2.4716**	**0.9775**	**8.3700e-003**	**0.2812**	**7.9100e-003**	**0.2891**	**0.0761**	**7.5500e-003**	**0.0836**		**899.7910**	**899.7910**	**0.0596**		**901.2796**

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6863	7.0258	7.1527	0.0114		0.3719	0.3719		0.3422	0.3422		1,103.9393	1,103.9393	0.3570		1,112.8652
Total	**0.6863**	**7.0258**	**7.1527**	**0.0114**		**0.3719**	**0.3719**		**0.3422**	**0.3422**		**1,103.9393**	**1,103.9393**	**0.3570**		**1,112.8652**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.9900e-003	0.1842	0.0532	5.0000e-004	0.0128	3.6000e-004	0.0132	3.6900e-003	3.4000e-004	4.0300e-003		52.9941	52.9941	3.3300e-003		53.0773
Worker	0.0179	0.0118	0.1357	4.2000e-004	0.0447	3.5000e-004	0.0451	0.0119	3.2000e-004	0.0122		41.3828	41.3828	1.1400e-003		41.4113
Total	**0.0239**	**0.1959**	**0.1888**	**9.2000e-004**	**0.0575**	**7.1000e-004**	**0.0582**	**0.0156**	**6.6000e-004**	**0.0162**		**94.3768**	**94.3768**	**4.4700e-003**		**94.4886**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6863	7.0258	7.1527	0.0114		0.3719	0.3719		0.3422	0.3422	0.0000	1,103.9393	1,103.9393	0.3570		1,112.8652
Total	**0.6863**	**7.0258**	**7.1527**	**0.0114**		**0.3719**	**0.3719**		**0.3422**	**0.3422**	**0.0000**	**1,103.9393**	**1,103.9393**	**0.3570**		**1,112.8652**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.9900e-003	0.1842	0.0532	5.0000e-004	0.0128	3.6000e-004	0.0132	3.6900e-003	3.4000e-004	4.0300e-003		52.9941	52.9941	3.3300e-003		53.0773
Worker	0.0179	0.0118	0.1357	4.2000e-004	0.0447	3.5000e-004	0.0451	0.0119	3.2000e-004	0.0122		41.3828	41.3828	1.1400e-003		41.4113
Total	**0.0239**	**0.1959**	**0.1888**	**9.2000e-004**	**0.0575**	**7.1000e-004**	**0.0582**	**0.0156**	**6.6000e-004**	**0.0162**		**94.3768**	**94.3768**	**4.4700e-003**		**94.4886**

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6322	6.4186	7.0970	0.0114		0.3203	0.3203		0.2946	0.2946		1,104.6089	1,104.6089	0.3573		1,113.5402
Total	**0.6322**	**6.4186**	**7.0970**	**0.0114**		**0.3203**	**0.3203**		**0.2946**	**0.2946**		**1,104.6089**	**1,104.6089**	**0.3573**		**1,113.5402**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	4.4500e-003	0.1395	0.0472	4.8000e-004	0.0128	1.7000e-004	0.0130	3.6900e-003	1.6000e-004	3.8500e-003		51.3483	51.3483	2.9300e-003		51.4216
Worker	0.0169	0.0107	0.1247	4.0000e-004	0.0447	3.4000e-004	0.0451	0.0119	3.1000e-004	0.0122		39.8688	39.8688	1.0300e-003		39.8945
Total	**0.0213**	**0.1501**	**0.1719**	**8.8000e-004**	**0.0575**	**5.1000e-004**	**0.0580**	**0.0156**	**4.7000e-004**	**0.0160**		**91.2171**	**91.2171**	**3.9600e-003**		**91.3160**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6322	6.4186	7.0970	0.0114		0.3203	0.3203		0.2946	0.2946	0.0000	1,104.6089	1,104.6089	0.3573		1,113.5402
Total	**0.6322**	**6.4186**	**7.0970**	**0.0114**		**0.3203**	**0.3203**		**0.2946**	**0.2946**	**0.0000**	**1,104.6089**	**1,104.6089**	**0.3573**		**1,113.5402**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	4.4500e-003	0.1395	0.0472	4.8000e-004	0.0128	1.7000e-004	0.0130	3.6900e-003	1.6000e-004	3.8500e-003		51.3483	51.3483	2.9300e-003		51.4216

Worker	0.0169	0.0107	0.1247	4.0000e-004	0.0447	3.4000e-004	0.0451	0.0119	3.1000e-004	0.0122		39.8688	39.8688	1.0300e-003		39.8945
Total	**0.0213**	**0.1501**	**0.1719**	**8.8000e-004**	**0.0575**	**5.1000e-004**	**0.0580**	**0.0156**	**4.7000e-004**	**0.0160**		**91.2171**	**91.2171**	**3.9600e-003**		**91.3160**

3.5 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.7585					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**0.9501**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	8.4400e-003	5.3300e-003	0.0624	2.0000e-004	0.0224	1.7000e-004	0.0225	5.9300e-003	1.6000e-004	6.0900e-003		19.9344	19.9344	5.1000e-004		19.9472
Total	**8.4400e-003**	**5.3300e-003**	**0.0624**	**2.0000e-004**	**0.0224**	**1.7000e-004**	**0.0225**	**5.9300e-003**	**1.6000e-004**	**6.0900e-003**		**19.9344**	**19.9344**	**5.1000e-004**		**19.9472**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.7585					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**0.9501**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	8.4400e-003	5.3300e-003	0.0624	2.0000e-004	0.0224	1.7000e-004	0.0225	5.9300e-003	1.6000e-004	6.0900e-003		19.9344	19.9344	5.1000e-004		19.9472
Total	**8.4400e-003**	**5.3300e-003**	**0.0624**	**2.0000e-004**	**0.0224**	**1.7000e-004**	**0.0225**	**5.9300e-003**	**1.6000e-004**	**6.0900e-003**		**19.9344**	**19.9344**	**5.1000e-004**		**19.9472**

3.6 Demolition of Existing Pumping Plant - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1072	0.0000	0.1072	0.0162	0.0000	0.0162			0.0000			0.0000

Off-Road	0.6463	5.7787	7.3926	0.0120		0.2821	0.2821		0.2698	0.2698		1,148.4055	1,148.4055	0.2089		1,153.6290
Total	**0.6463**	**5.7787**	**7.3926**	**0.0120**	**0.1072**	**0.2821**	**0.3893**	**0.0162**	**0.2698**	**0.2860**		**1,148.4055**	**1,148.4055**	**0.2089**		**1,153.6290**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.5400e-003	0.0788	0.0282	3.4000e-004	8.3300e-003	1.5000e-004	8.4700e-003	2.2800e-003	1.4000e-004	2.4200e-003		37.5066	37.5066	2.5800e-003		37.5711
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0422	0.0266	0.3118	1.0000e-003	0.1118	8.5000e-004	0.1126	0.0296	7.8000e-004	0.0304		99.6721	99.6721	2.5700e-003		99.7362
Total	**0.0447**	**0.1055**	**0.3400**	**1.3400e-003**	**0.1201**	**1.0000e-003**	**0.1211**	**0.0319**	**9.2000e-004**	**0.0329**		**137.1786**	**137.1786**	**5.1500e-003**		**137.3073**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0418	0.0000	0.0418	6.3300e-003	0.0000	6.3300e-003			0.0000			0.0000
Off-Road	0.6463	5.7787	7.3926	0.0120		0.2821	0.2821		0.2698	0.2698	0.0000	1,148.4055	1,148.4055	0.2089		1,153.6290
Total	**0.6463**	**5.7787**	**7.3926**	**0.0120**	**0.0418**	**0.2821**	**0.3239**	**6.3300e-003**	**0.2698**	**0.2761**	**0.0000**	**1,148.4055**	**1,148.4055**	**0.2089**		**1,153.6290**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.5400e-003	0.0788	0.0282	3.4000e-004	8.3300e-003	1.5000e-004	8.4700e-003	2.2800e-003	1.4000e-004	2.4200e-003		37.5066	37.5066	2.5800e-003		37.5711
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0422	0.0266	0.3118	1.0000e-003	0.1118	8.5000e-004	0.1126	0.0296	7.8000e-004	0.0304		99.6721	99.6721	2.5700e-003		99.7362
Total	**0.0447**	**0.1055**	**0.3400**	**1.3400e-003**	**0.1201**	**1.0000e-003**	**0.1211**	**0.0319**	**9.2000e-004**	**0.0329**		**137.1786**	**137.1786**	**5.1500e-003**		**137.3073**

3.7 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6112	5.5046	7.0209	0.0113		0.2643	0.2643		0.2466	0.2466		1,036.0878	1,036.0878	0.3018		1,043.6331
Paving	0.0548					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.6659**	**5.5046**	**7.0209**	**0.0113**		**0.2643**	**0.2643**		**0.2466**	**0.2466**		**1,036.0878**	**1,036.0878**	**0.3018**		**1,043.6331**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0759	0.0480	0.5612	1.8000e-003	0.2012	1.5300e-003	0.2027	0.0534	1.4100e-003	0.0548		179.4097	179.4097	4.6200e-003		179.5251
Total	**0.0759**	**0.0480**	**0.5612**	**1.8000e-003**	**0.2012**	**1.5300e-003**	**0.2027**	**0.0534**	**1.4100e-003**	**0.0548**		**179.4097**	**179.4097**	**4.6200e-003**		**179.5251**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6112	5.5046	7.0209	0.0113		0.2643	0.2643		0.2466	0.2466	0.0000	1,036.0878	1,036.0878	0.3018		1,043.6331
Paving	0.0548					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.6659**	**5.5046**	**7.0209**	**0.0113**		**0.2643**	**0.2643**		**0.2466**	**0.2466**	**0.0000**	**1,036.0878**	**1,036.0878**	**0.3018**		**1,043.6331**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0759	0.0480	0.5612	1.8000e-003	0.2012	1.5300e-003	0.2027	0.0534	1.4100e-003	0.0548		179.4097	179.4097	4.6200e-003		179.5251
Total	**0.0759**	**0.0480**	**0.5612**	**1.8000e-003**	**0.2012**	**1.5300e-003**	**0.2027**	**0.0534**	**1.4100e-003**	**0.0548**		**179.4097**	**179.4097**	**4.6200e-003**		**179.5251**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.1000e-003	0.0193	0.0662	2.8000e-004	0.0257	2.1000e-004	0.0259	6.8700e-003	2.0000e-004	7.0600e-003		28.2550	28.2550	1.3100e-003		28.2876
Unmitigated	4.1000e-003	0.0193	0.0662	2.8000e-004	0.0257	2.1000e-004	0.0259	6.8700e-003	2.0000e-004	7.0600e-003		28.2550	28.2550	1.3100e-003		28.2876

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	2.00	2.00	2.00	12,073	12,073
Parking Lot	0.00	0.00	0.00		
Total	2.00	2.00	2.00	12,073	12,073

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	100.00	0.00	0.00	100	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
Parking Lot	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0178	1.0000e-005	1.0800e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.3200e-003	2.3200e-003	1.0000e-005		2.4700e-003
Unmitigated	0.0178	1.0000e-005	1.0800e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.3200e-003	2.3200e-003	1.0000e-005		2.4700e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.2900e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Consumer Products	0.0154					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-004	1.0000e-005	1.0800e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.3200e-003	2.3200e-003	1.0000e-005		2.4700e-003
Total	**0.0178**	**1.0000e-005**	**1.0800e-003**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**2.3200e-003**	**2.3200e-003**	**1.0000e-005**		**2.4700e-003**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.2900e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0154					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-004	1.0000e-005	1.0800e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.3200e-003	2.3200e-003	1.0000e-005		2.4700e-003
Total	**0.0178**	**1.0000e-005**	**1.0800e-003**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**2.3200e-003**	**2.3200e-003**	**1.0000e-005**		**2.4700e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	1	50	469.36	0.73	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Emergency Generator - Diesel	0.7696	2.1512	1.9625	3.7000e-003		0.1132	0.1132		0.1132	0.1132		393.7321	393.7321	0.0552		395.1122
Total	**0.7696**	**2.1512**	**1.9625**	**3.7000e-003**		**0.1132**	**0.1132**		**0.1132**	**0.1132**		**393.7321**	**393.7321**	**0.0552**		**395.1122**

11.0 Vegetation

Gardena Pumping Plant - Project
Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	0.60	1000sqft	0.01	600.00	0
Parking Lot	10.00	1000sqft	0.23	10,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	8			**Operational Year**	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	601.59	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Adjusted CO2 Intensity Factor based on SCE's 2017 Power Content Label

Land Use - 600 square foot proposed pump plant and 10 ksf area to be paved

Construction Phase - Construction schedule based on LACSD input

Off-road Equipment - Added a trencher to Grading phase for infrastructure

Trips and VMT - Default on-road vehicles, rounded up to even numbers

Demolition - Debris tonnage based on CalEEMod factor of 0.046 tons/sf for buildings and CalRecycle factor of 2,400 lbs asphalt debris/yd3

Grading - 10,000 CY soil export, total acreage graded based on rubber tired dozer of 0.5 acre/8-hour day per SCAQMD

Architectural Coating - Default architectural coatings

Vehicle Trips - One Pumping Plant Operator per day

Consumer Products - Default

Area Coating - Default

Energy Use - Adjusted electricity to match values provided by LACSD

Water And Wastewater - Adjusted to match values provided by LACSD

Solid Waste - Adjusted to match values provided by LACSD

Construction Off-road Equipment Mitigation - Water exposed areas 3x/day, limit vehicle speeds to 15 mph

Stationary Sources - Emergency Generators and Fire Pumps - Proposed 350 kW emergency generator - 1 hour testing per day per month; up to 50 hours per year per ATCM

Stationary Sources - Emergency Generators and Fire Pumps EF - Default emission rates for the proposed Tier 3 generator

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	5.00	11.00
tblConstructionPhase	NumDays	100.00	348.00
tblConstructionPhase	NumDays	10.00	132.00
tblConstructionPhase	NumDays	10.00	21.00
tblConstructionPhase	NumDays	2.00	129.00
tblConstructionPhase	NumDays	5.00	11.00
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	NT24E	3.83	599.92
tblEnergyUse	NT24NG	6.86	0.00
tblEnergyUse	T24E	1.63	0.00
tblEnergyUse	T24NG	14.04	0.00
tblGrading	AcresOfGrading	0.00	8.10
tblGrading	MaterialExported	0.00	10,000.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Grading
tblProjectCharacteristics	CO2IntensityFactor	702.44	601.59
tblSolidWaste	SolidWasteGenerationRate	0.74	0.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	50.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblTripsAndVMT	HaulingTripNumber	51.00	52.00

tblTripsAndVMT	WorkerTripNumber	13.00	10.00
tblTripsAndVMT	WorkerTripNumber	1.00	2.00
tblVehicleTrips	CC_TTP	28.00	0.00
tblVehicleTrips	CNW_TTP	13.00	0.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.32	3.33
tblVehicleTrips	SU_TR	0.68	3.33
tblVehicleTrips	WD_TR	6.97	3.33
tblWater	IndoorWaterUseRate	138,750.00	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.0556	0.4881	0.5262	8.8000e-004	0.0132	0.0270	0.0401	2.8700e-003	0.0257	0.0286	0.0000	77.2105	77.2105	0.0131	0.0000	77.5388
2022	0.1232	1.2675	1.1927	2.3400e-003	0.0749	0.0621	0.1371	0.0331	0.0580	0.0910	0.0000	210.8272	210.8272	0.0435	0.0000	211.9144
2023	0.0872	0.8125	0.9222	1.5600e-003	9.6900e-003	0.0396	0.0493	2.4800e-003	0.0366	0.0391	0.0000	137.7019	137.7019	0.0392	0.0000	138.6819
Maximum	**0.1232**	**1.2675**	**1.1927**	**2.3400e-003**	**0.0749**	**0.0621**	**0.1371**	**0.0331**	**0.0580**	**0.0910**	**0.0000**	**210.8272**	**210.8272**	**0.0435**	**0.0000**	**211.9144**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.0556	0.4881	0.5262	8.8000e-004	9.8100e-003	0.0270	0.0368	2.3700e-003	0.0257	0.0281	0.0000	77.2104	77.2104	0.0131	0.0000	77.5387
2022	0.1232	1.2675	1.1927	2.3400e-003	0.0423	0.0621	0.1045	0.0165	0.0580	0.0744	0.0000	210.8271	210.8271	0.0435	0.0000	211.9142
2023	0.0872	0.8125	0.9222	1.5600e-003	9.0000e-003	0.0396	0.0486	2.3700e-003	0.0366	0.0390	0.0000	137.7017	137.7017	0.0392	0.0000	138.6818
Maximum	**0.1232**	**1.2675**	**1.1927**	**2.3400e-003**	**0.0423**	**0.0621**	**0.1045**	**0.0165**	**0.0580**	**0.0744**	**0.0000**	**210.8271**	**210.8271**	**0.0435**	**0.0000**	**211.9142**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**37.45**	**0.00**	**16.16**	**44.85**	**0.01**	**10.86**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	7-1-2021	9-30-2021	0.2704	0.2704
2	10-1-2021	12-31-2021	0.2707	0.2707
3	1-1-2022	3-31-2022	0.4327	0.4327
4	4-1-2022	6-30-2022	0.4363	0.4363
5	7-1-2022	9-30-2022	0.2605	0.2605
6	10-1-2022	12-31-2022	0.2606	0.2606
7	1-1-2023	3-31-2023	0.2321	0.2321
8	4-1-2023	6-30-2023	0.2346	0.2346
9	7-1-2023	9-30-2023	0.2372	0.2372
		Highest	0.4363	0.4363

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.2400e-003	0.0000	1.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6000e-004	2.6000e-004	0.0000	0.0000	2.8000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	98.7120	98.7120	4.7600e-003	9.8000e-004	99.1244
Mobile	7.4000e-004	3.5800e-003	0.0123	5.0000e-005	4.5800e-003	4.0000e-005	4.6200e-003	1.2300e-003	4.0000e-005	1.2600e-003	0.0000	4.7250	4.7250	2.2000e-004	0.0000	4.7304
Stationary	0.0192	0.0538	0.0491	9.0000e-005		2.8300e-003	2.8300e-003		2.8300e-003	2.8300e-003	0.0000	8.9297	8.9297	1.2500e-003	0.0000	8.9610
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0232**	**0.0574**	**0.0615**	**1.4000e-004**	**4.5800e-003**	**2.8700e-003**	**7.4500e-003**	**1.2300e-003**	**2.8700e-003**	**4.0900e-003**	**0.0000**	**112.3670**	**112.3670**	**6.2300e-003**	**9.8000e-004**	**112.8161**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.2400e-003	0.0000	1.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6000e-004	2.6000e-004	0.0000	0.0000	2.8000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	98.7120	98.7120	4.7600e-003	9.8000e-004	99.1244
Mobile	7.4000e-004	3.5800e-003	0.0123	5.0000e-005	4.5800e-003	4.0000e-005	4.6200e-003	1.2300e-003	4.0000e-005	1.2600e-003	0.0000	4.7250	4.7250	2.2000e-004	0.0000	4.7304
Stationary	0.0192	0.0538	0.0491	9.0000e-005		2.8300e-003	2.8300e-003		2.8300e-003	2.8300e-003	0.0000	8.9297	8.9297	1.2500e-003	0.0000	8.9610
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0232**	**0.0574**	**0.0615**	**1.4000e-004**	**4.5800e-003**	**2.8700e-003**	**7.4500e-003**	**1.2300e-003**	**2.8700e-003**	**4.0900e-003**	**0.0000**	**112.3670**	**112.3670**	**6.2300e-003**	**9.8000e-004**	**112.8161**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e

Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition of Other Buildings	Demolition	7/1/2021	12/31/2021	5	132	
2	Grading	Grading	1/1/2022	6/30/2022	5	129	
3	Building Construction	Building Construction	7/1/2022	10/31/2023	5	348	
4	Architectural Coating	Architectural Coating	11/1/2023	11/15/2023	5	11	
5	Demolition of Existing Pumping Plant	Demolition	11/16/2023	12/14/2023	5	21	
6	Paving	Paving	12/15/2023	12/29/2023	5	11	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 8.1

Acres of Paving: 0.23

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 900; Non-Residential Outdoor: 300; Striped Parking Area: 600

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition of Other Buildings	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition of Other Buildings	Rubber Tired Dozers	1	1.00	247	0.40
Demolition of Other Buildings	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Trenchers	1	8.00	78	0.50
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Demolition of Existing Pumping Plant	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition of Existing Pumping Plant	Rubber Tired Dozers	1	1.00	247	0.40
Demolition of Existing Pumping Plant	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition of Other Buildings	4	10.00	0.00	52.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	5	10.00	0.00	1,250.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	4.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition of Existing Pumping Plant	4	10.00	0.00	10.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition of Other Buildings - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.4700e-003	0.0000	5.4700e-003	8.3000e-004	0.0000	8.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0526	0.4787	0.4996	7.9000e-004		0.0269	0.0269		0.0257	0.0257	0.0000	68.7017	68.7017	0.0128	0.0000	69.0218

Total	**0.0526**	**0.4787**	**0.4996**	**7.9000e-004**	**5.4700e-003**	**0.0269**	**0.0324**	**8.3000e-004**	**0.0257**	**0.0265**	**0.0000**	**68.7017**	**68.7017**	**0.0128**	**0.0000**	**69.0218**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.2000e-004	7.2000e-003	1.6800e-003	2.0000e-005	4.5000e-004	2.0000e-005	4.7000e-004	1.2000e-004	2.0000e-005	1.4000e-004	0.0000	1.9820	1.9820	1.4000e-004	0.0000	1.9854
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8400e-003	2.2100e-003	0.0250	7.0000e-005	7.2300e-003	6.0000e-005	7.2900e-003	1.9200e-003	5.0000e-005	1.9800e-003	0.0000	6.5269	6.5269	1.9000e-004	0.0000	6.5317
Total	**3.0600e-003**	**9.4100e-003**	**0.0266**	**9.0000e-005**	**7.6800e-003**	**8.0000e-005**	**7.7600e-003**	**2.0400e-003**	**7.0000e-005**	**2.1200e-003**	**0.0000**	**8.5088**	**8.5088**	**3.3000e-004**	**0.0000**	**8.5171**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.1400e-003	0.0000	2.1400e-003	3.2000e-004	0.0000	3.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0526	0.4787	0.4996	7.9000e-004		0.0269	0.0269		0.0257	0.0257	0.0000	68.7016	68.7016	0.0128	0.0000	69.0217
Total	**0.0526**	**0.4787**	**0.4996**	**7.9000e-004**	**2.1400e-003**	**0.0269**	**0.0290**	**3.2000e-004**	**0.0257**	**0.0260**	**0.0000**	**68.7016**	**68.7016**	**0.0128**	**0.0000**	**69.0217**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.2000e-004	7.2000e-003	1.6800e-003	2.0000e-005	4.5000e-004	2.0000e-005	4.7000e-004	1.2000e-004	2.0000e-005	1.4000e-004	0.0000	1.9820	1.9820	1.4000e-004	0.0000	1.9854
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8400e-003	2.2100e-003	0.0250	7.0000e-005	7.2300e-003	6.0000e-005	7.2900e-003	1.9200e-003	5.0000e-005	1.9800e-003	0.0000	6.5269	6.5269	1.9000e-004	0.0000	6.5317
Total	**3.0600e-003**	**9.4100e-003**	**0.0266**	**9.0000e-005**	**7.6800e-003**	**8.0000e-005**	**7.7600e-003**	**2.0400e-003**	**7.0000e-005**	**2.1200e-003**	**0.0000**	**8.5088**	**8.5088**	**3.3000e-004**	**0.0000**	**8.5171**

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0534	0.0000	0.0534	0.0272	0.0000	0.0272	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0692	0.6317	0.6494	9.9000e-004		0.0372	0.0372		0.0350	0.0350	0.0000	86.2986	86.2986	0.0186	0.0000	86.7633
Total	**0.0692**	**0.6317**	**0.6494**	**9.9000e-004**	**0.0534**	**0.0372**	**0.0906**	**0.0272**	**0.0350**	**0.0623**	**0.0000**	**86.2986**	**86.2986**	**0.0186**	**0.0000**	**86.7633**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.0100e-003	0.1606	0.0399	4.8000e-004	0.0107	4.5000e-004	0.0112	2.9500e-003	4.3000e-004	3.3800e-003	0.0000	47.0770	47.0770	3.2600e-003	0.0000	47.1583
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Worker	2.6000e-003	1.9500e-003	0.0225	7.0000e-005	7.0700e-003	6.0000e-005	7.1200e-003	1.8800e-003	5.0000e-005	1.9300e-003	0.0000	6.1543	6.1543	1.7000e-004	0.0000	6.1585
Total	**7.6100e-003**	**0.1625**	**0.0624**	**5.5000e-004**	**0.0178**	**5.1000e-004**	**0.0183**	**4.8300e-003**	**4.8000e-004**	**5.3100e-003**	**0.0000**	**53.2313**	**53.2313**	**3.4300e-003**	**0.0000**	**53.3169**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0208	0.0000	0.0208	0.0106	0.0000	0.0106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0692	0.6317	0.6494	9.9000e-004		0.0372	0.0372		0.0350	0.0350	0.0000	86.2985	86.2985	0.0186	0.0000	86.7632
Total	**0.0692**	**0.6317**	**0.6494**	**9.9000e-004**	**0.0208**	**0.0372**	**0.0581**	**0.0106**	**0.0350**	**0.0456**	**0.0000**	**86.2985**	**86.2985**	**0.0186**	**0.0000**	**86.7632**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.0100e-003	0.1606	0.0399	4.8000e-004	0.0107	4.5000e-004	0.0112	2.9500e-003	4.3000e-004	3.3800e-003	0.0000	47.0770	47.0770	3.2600e-003	0.0000	47.1583
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6000e-003	1.9500e-003	0.0225	7.0000e-005	7.0700e-003	6.0000e-005	7.1200e-003	1.8800e-003	5.0000e-005	1.9300e-003	0.0000	6.1543	6.1543	1.7000e-004	0.0000	6.1585
Total	**7.6100e-003**	**0.1625**	**0.0624**	**5.5000e-004**	**0.0178**	**5.1000e-004**	**0.0183**	**4.8300e-003**	**4.8000e-004**	**5.3100e-003**	**0.0000**	**53.2313**	**53.2313**	**3.4300e-003**	**0.0000**	**53.3169**

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0450	0.4602	0.4685	7.5000e-004		0.0244	0.0244		0.0224	0.0224	0.0000	65.5967	65.5967	0.0212	0.0000	66.1271
Total	**0.0450**	**0.4602**	**0.4685**	**7.5000e-004**		**0.0244**	**0.0244**		**0.0224**	**0.0224**	**0.0000**	**65.5967**	**65.5967**	**0.0212**	**0.0000**	**66.1271**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.8000e-004	0.0123	3.3200e-003	3.0000e-005	8.3000e-004	2.0000e-005	8.5000e-004	2.4000e-004	2.0000e-005	2.6000e-004	0.0000	3.2007	3.2007	1.9000e-004	0.0000	3.2055
Worker	1.0600e-003	7.9000e-004	9.1300e-003	3.0000e-005	2.8700e-003	2.0000e-005	2.8900e-003	7.6000e-004	2.0000e-005	7.8000e-004	0.0000	2.4999	2.4999	7.0000e-005	0.0000	2.5016
Total	**1.4400e-003**	**0.0131**	**0.0125**	**6.0000e-005**	**3.7000e-003**	**4.0000e-005**	**3.7400e-003**	**1.0000e-003**	**4.0000e-005**	**1.0400e-003**	**0.0000**	**5.7006**	**5.7006**	**2.6000e-004**	**0.0000**	**5.7071**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0450	0.4602	0.4685	7.5000e-004		0.0244	0.0244		0.0224	0.0224	0.0000	65.5967	65.5967	0.0212	0.0000	66.1270

Total	**0.0450**	**0.4602**	**0.4685**	**7.5000e-004**		**0.0244**	**0.0244**		**0.0224**	**0.0224**	**0.0000**	**65.5967**	**65.5967**	**0.0212**	**0.0000**	**66.1270**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.8000e-004	0.0123	3.3200e-003	3.0000e-005	8.3000e-004	2.0000e-005	8.5000e-004	2.4000e-004	2.0000e-005	2.6000e-004	0.0000	3.2007	3.2007	1.9000e-004	0.0000	3.2055
Worker	1.0600e-003	7.9000e-004	9.1300e-003	3.0000e-005	2.8700e-003	2.0000e-005	2.8900e-003	7.6000e-004	2.0000e-005	7.8000e-004	0.0000	2.4999	2.4999	7.0000e-005	0.0000	2.5016
Total	**1.4400e-003**	**0.0131**	**0.0125**	**6.0000e-005**	**3.7000e-003**	**4.0000e-005**	**3.7400e-003**	**1.0000e-003**	**4.0000e-005**	**1.0400e-003**	**0.0000**	**5.7006**	**5.7006**	**2.6000e-004**	**0.0000**	**5.7071**

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0686	0.6964	0.7700	1.2400e-003		0.0348	0.0348		0.0320	0.0320	0.0000	108.7262	108.7262	0.0352	0.0000	109.6053
Total	**0.0686**	**0.6964**	**0.7700**	**1.2400e-003**		**0.0348**	**0.0348**		**0.0320**	**0.0320**	**0.0000**	**108.7262**	**108.7262**	**0.0352**	**0.0000**	**109.6053**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.7000e-004	0.0154	4.9300e-003	5.0000e-005	1.3700e-003	2.0000e-005	1.3800e-003	3.9000e-004	2.0000e-005	4.1000e-004	0.0000	5.1360	5.1360	2.8000e-004	0.0000	5.1430
Worker	1.6500e-003	1.1900e-003	0.0139	4.0000e-005	4.7600e-003	4.0000e-005	4.7900e-003	1.2600e-003	3.0000e-005	1.3000e-003	0.0000	3.9895	3.9895	1.0000e-004	0.0000	3.9921
Total	**2.1200e-003**	**0.0166**	**0.0188**	**9.0000e-005**	**6.1300e-003**	**6.0000e-005**	**6.1700e-003**	**1.6500e-003**	**5.0000e-005**	**1.7100e-003**	**0.0000**	**9.1255**	**9.1255**	**3.8000e-004**	**0.0000**	**9.1351**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0686	0.6964	0.7700	1.2400e-003		0.0348	0.0348		0.0320	0.0320	0.0000	108.7260	108.7260	0.0352	0.0000	109.6051
Total	**0.0686**	**0.6964**	**0.7700**	**1.2400e-003**		**0.0348**	**0.0348**		**0.0320**	**0.0320**	**0.0000**	**108.7260**	**108.7260**	**0.0352**	**0.0000**	**109.6051**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Vendor	4.7000e-004	0.0154	4.9300e-003	5.0000e-005	1.3700e-003	2.0000e-005	1.3800e-003	3.9000e-004	2.0000e-005	4.1000e-004	0.0000	5.1360	5.1360	2.8000e-004	0.0000	5.1430
Worker	1.6500e-003	1.1900e-003	0.0139	4.0000e-005	4.7600e-003	4.0000e-005	4.7900e-003	1.2600e-003	3.0000e-005	1.3000e-003	0.0000	3.9895	3.9895	1.0000e-004	0.0000	3.9921
Total	**2.1200e-003**	**0.0166**	**0.0188**	**9.0000e-005**	**6.1300e-003**	**6.0000e-005**	**6.1700e-003**	**1.6500e-003**	**5.0000e-005**	**1.7100e-003**	**0.0000**	**9.1255**	**9.1255**	**3.8000e-004**	**0.0000**	**9.1351**

3.5 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	4.1700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0500e-003	7.1700e-003	9.9600e-003	2.0000e-005		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004	0.0000	1.4043	1.4043	8.0000e-005	0.0000	1.4064
Total	**5.2200e-003**	**7.1700e-003**	**9.9600e-003**	**2.0000e-005**		**3.9000e-004**	**3.9000e-004**		**3.9000e-004**	**3.9000e-004**	**0.0000**	**1.4043**	**1.4043**	**8.0000e-005**	**0.0000**	**1.4064**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	3.0000e-005	3.5000e-004	0.0000	1.2000e-004	0.0000	1.2000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.1011	0.1011	0.0000	0.0000	0.1012
Total	**4.0000e-005**	**3.0000e-005**	**3.5000e-004**	**0.0000**	**1.2000e-004**	**0.0000**	**1.2000e-004**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**0.0000**	**0.1011**	**0.1011**	**0.0000**	**0.0000**	**0.1012**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	4.1700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0500e-003	7.1700e-003	9.9600e-003	2.0000e-005		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004	0.0000	1.4043	1.4043	8.0000e-005	0.0000	1.4064
Total	**5.2200e-003**	**7.1700e-003**	**9.9600e-003**	**2.0000e-005**		**3.9000e-004**	**3.9000e-004**		**3.9000e-004**	**3.9000e-004**	**0.0000**	**1.4043**	**1.4043**	**8.0000e-005**	**0.0000**	**1.4064**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	3.0000e-005	3.5000e-004	0.0000	1.2000e-004	0.0000	1.2000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.1011	0.1011	0.0000	0.0000	0.1012
Total	**4.0000e-005**	**3.0000e-005**	**3.5000e-004**	**0.0000**	**1.2000e-004**	**0.0000**	**1.2000e-004**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**0.0000**	**0.1011**	**0.1011**	**0.0000**	**0.0000**	**0.1012**

3.6 Demolition of Existing Pumping Plant - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.1300e-003	0.0000	1.1300e-003	1.7000e-004	0.0000	1.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Off-Road	6.7900e-003	0.0607	0.0776	1.3000e-004		2.9600e-003	2.9600e-003		2.8300e-003	2.8300e-003	0.0000	10.9391	10.9391	1.9900e-003	0.0000	10.9888
Total	**6.7900e-003**	**0.0607**	**0.0776**	**1.3000e-004**	**1.1300e-003**	**2.9600e-003**	**4.0900e-003**	**1.7000e-004**	**2.8300e-003**	**3.0000e-003**	**0.0000**	**10.9391**	**10.9391**	**1.9900e-003**	**0.0000**	**10.9888**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.0000e-005	8.4000e-004	2.9000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	3.0000e-005	0.0000	0.3609	0.3609	2.0000e-005	0.0000	0.3615
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-004	2.9000e-004	3.3600e-003	1.0000e-005	1.1500e-003	1.0000e-005	1.1600e-003	3.1000e-004	1.0000e-005	3.1000e-004	0.0000	0.9652	0.9652	2.0000e-005	0.0000	0.9658
Total	**4.3000e-004**	**1.1300e-003**	**3.6500e-003**	**1.0000e-005**	**1.2400e-003**	**1.0000e-005**	**1.2500e-003**	**3.3000e-004**	**1.0000e-005**	**3.4000e-004**	**0.0000**	**1.3261**	**1.3261**	**4.0000e-005**	**0.0000**	**1.3274**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.4000e-004	0.0000	4.4000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.7900e-003	0.0607	0.0776	1.3000e-004		2.9600e-003	2.9600e-003		2.8300e-003	2.8300e-003	0.0000	10.9391	10.9391	1.9900e-003	0.0000	10.9888
Total	**6.7900e-003**	**0.0607**	**0.0776**	**1.3000e-004**	**4.4000e-004**	**2.9600e-003**	**3.4000e-003**	**7.0000e-005**	**2.8300e-003**	**2.9000e-003**	**0.0000**	**10.9391**	**10.9391**	**1.9900e-003**	**0.0000**	**10.9888**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.0000e-005	8.4000e-004	2.9000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	3.0000e-005	0.0000	0.3609	0.3609	2.0000e-005	0.0000	0.3615
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-004	2.9000e-004	3.3600e-003	1.0000e-005	1.1500e-003	1.0000e-005	1.1600e-003	3.1000e-004	1.0000e-005	3.1000e-004	0.0000	0.9652	0.9652	2.0000e-005	0.0000	0.9658
Total	**4.3000e-004**	**1.1300e-003**	**3.6500e-003**	**1.0000e-005**	**1.2400e-003**	**1.0000e-005**	**1.2500e-003**	**3.3000e-004**	**1.0000e-005**	**3.4000e-004**	**0.0000**	**1.3261**	**1.3261**	**4.0000e-005**	**0.0000**	**1.3274**

3.7 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.3600e-003	0.0303	0.0386	6.0000e-005		1.4500e-003	1.4500e-003		1.3600e-003	1.3600e-003	0.0000	5.1696	5.1696	1.5100e-003	0.0000	5.2072
Paving	3.0000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.6600e-003**	**0.0303**	**0.0386**	**6.0000e-005**		**1.4500e-003**	**1.4500e-003**		**1.3600e-003**	**1.3600e-003**	**0.0000**	**5.1696**	**5.1696**	**1.5100e-003**	**0.0000**	**5.2072**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.8000e-004	2.7000e-004	3.1700e-003	1.0000e-005	1.0800e-003	1.0000e-005	1.0900e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.9101	0.9101	2.0000e-005	0.0000	0.9106
Total	**3.8000e-004**	**2.7000e-004**	**3.1700e-003**	**1.0000e-005**	**1.0800e-003**	**1.0000e-005**	**1.0900e-003**	**2.9000e-004**	**1.0000e-005**	**3.0000e-004**	**0.0000**	**0.9101**	**0.9101**	**2.0000e-005**	**0.0000**	**0.9106**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.3600e-003	0.0303	0.0386	6.0000e-005		1.4500e-003	1.4500e-003		1.3600e-003	1.3600e-003	0.0000	5.1696	5.1696	1.5100e-003	0.0000	5.2072
Paving	3.0000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.6600e-003**	**0.0303**	**0.0386**	**6.0000e-005**		**1.4500e-003**	**1.4500e-003**		**1.3600e-003**	**1.3600e-003**	**0.0000**	**5.1696**	**5.1696**	**1.5100e-003**	**0.0000**	**5.2072**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.8000e-004	2.7000e-004	3.1700e-003	1.0000e-005	1.0800e-003	1.0000e-005	1.0900e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.9101	0.9101	2.0000e-005	0.0000	0.9106
Total	**3.8000e-004**	**2.7000e-004**	**3.1700e-003**	**1.0000e-005**	**1.0800e-003**	**1.0000e-005**	**1.0900e-003**	**2.9000e-004**	**1.0000e-005**	**3.0000e-004**	**0.0000**	**0.9101**	**0.9101**	**2.0000e-005**	**0.0000**	**0.9106**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	7.4000e-004	3.5800e-003	0.0123	5.0000e-005	4.5800e-003	4.0000e-005	4.6200e-003	1.2300e-003	4.0000e-005	1.2600e-003	0.0000	4.7250	4.7250	2.2000e-004	0.0000	4.7304
Unmitigated	7.4000e-004	3.5800e-003	0.0123	5.0000e-005	4.5800e-003	4.0000e-005	4.6200e-003	1.2300e-003	4.0000e-005	1.2600e-003	0.0000	4.7250	4.7250	2.2000e-004	0.0000	4.7304

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	2.00	2.00	2.00	12,073	12,073
Parking Lot	0.00	0.00	0.00		
Total	2.00	2.00	2.00	12,073	12,073

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	100.00	0.00	0.00	100	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
Parking Lot	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	98.7120	98.7120	4.7600e-003	9.8000e-004	99.1244
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	98.7120	98.7120	4.7600e-003	9.8000e-004	99.1244
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	361746	98.7120	4.7600e-003	9.8000e-004	99.1244
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**98.7120**	**4.7600e-003**	**9.8000e-004**	**99.1244**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	361746	98.7120	4.7600e-003	9.8000e-004	99.1244
Parking Lot	0	0.0000	0.0000	0.0000	0.0000

Total		**98.7120**	**4.7600e-003**	**9.8000e-004**	**99.1244**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.2400e-003	0.0000	1.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6000e-004	2.6000e-004	0.0000	0.0000	2.8000e-004
Unmitigated	3.2400e-003	0.0000	1.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6000e-004	2.6000e-004	0.0000	0.0000	2.8000e-004

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	4.2000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.8100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	1.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6000e-004	2.6000e-004	0.0000	0.0000	2.8000e-004
Total	**3.2400e-003**	**0.0000**	**1.4000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**2.6000e-004**	**2.6000e-004**	**0.0000**	**0.0000**	**2.8000e-004**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	4.2000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.8100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	1.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6000e-004	2.6000e-004	0.0000	0.0000	2.8000e-004
Total	**3.2400e-003**	**0.0000**	**1.4000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**2.6000e-004**	**2.6000e-004**	**0.0000**	**0.0000**	**2.8000e-004**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000

Unmitigated	0.0000	0.0000	0.0000	0.0000

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	1	50	469.36	0.73	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel	0.0192	0.0538	0.0491	9.0000e-005		2.8300e-003	2.8300e-003		2.8300e-003	2.8300e-003	0.0000	8.9297	8.9297	1.2500e-003	0.0000	8.9610
Total	**0.0192**	**0.0538**	**0.0491**	**9.0000e-005**		**2.8300e-003**	**2.8300e-003**		**2.8300e-003**	**2.8300e-003**	**0.0000**	**8.9297**	**8.9297**	**1.2500e-003**	**0.0000**	**8.9610**

11.0 Vegetation

CalEEMod Version: CalEEMod.2016.3.2

Date: 3/19/2019 4:34 PM

Gardena Pumping Plant - Project

Los Angeles-South Coast County, Mitigation Report

Construction Mitigation Summary

Phase	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Demolition of Existing Pumping Plant	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Demolition of Other Buildings	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

OFFROAD Equipment Mitigation

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Air Compressors	Diesel	No Change	0	1	No Change	0.00
Cement and Mortar Mixers	Diesel	No Change	0	4	No Change	0.00
Concrete/Industrial Saws	Diesel	No Change	0	3	No Change	0.00
Cranes	Diesel	No Change	0	1	No Change	0.00
Forklifts	Diesel	No Change	0	2	No Change	0.00
Pavers	Diesel	No Change	0	1	No Change	0.00
Rollers	Diesel	No Change	0	1	No Change	0.00

Rubber Tired Dozers	Diesel	No Change	0	3	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	No Change	0	9	No Change	0.00
Trenchers	Diesel	No Change	0	1	No Change	0.00

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Unmitigated tons/yr						Unmitigated mt/yr					
Air Compressors	1.05000E-003	7.17000E-003	9.96000E-003	2.00000E-005	3.90000E-004	3.90000E-004	0.00000E+000	1.40429E+000	1.40429E+000	8.00000E-005	0.00000E+000	1.40639E+000
Cement and Mortar Mixers	9.70000E-004	6.08000E-003	5.09000E-003	1.00000E-005	2.40000E-004	2.40000E-004	0.00000E+000	7.56160E-001	7.56160E-001	8.00000E-005	0.00000E+000	7.58120E-001
Concrete/Industrial Saws	5.19700E-002	4.08310E-001	5.17260E-001	8.80000E-004	2.24600E-002	2.24600E-002	0.00000E+000	7.58096E+001	7.58096E+001	4.23000E-003	0.00000E+000	7.59153E+001
Cranes	3.12800E-002	3.44030E-001	1.61490E-001	5.00000E-004	1.43300E-002	1.31900E-002	0.00000E+000	4.41052E+001	4.41052E+001	1.42600E-002	0.00000E+000	4.44618E+001
Forklifts	2.78500E-002	2.59830E-001	2.99670E-001	4.00000E-004	1.65200E-002	1.52000E-002	0.00000E+000	3.50500E+001	3.50500E+001	1.13400E-002	0.00000E+000	3.53334E+001
Pavers	9.20000E-004	9.06000E-003	1.38800E-002	2.00000E-005	4.30000E-004	3.90000E-004	0.00000E+000	1.98740E+000	1.98740E+000	6.40000E-004	0.00000E+000	2.00347E+000
Rollers	7.40000E-004	7.75000E-003	8.91000E-003	1.00000E-005	4.30000E-004	3.90000E-004	0.00000E+000	1.10939E+000	1.10939E+000	3.60000E-004	0.00000E+000	1.11836E+000
Rubber Tired Dozers	1.62800E-002	1.70770E-001	6.62700E-002	1.50000E-004	8.18000E-003	7.52000E-003	0.00000E+000	1.32259E+001	1.32259E+001	4.28000E-003	0.00000E+000	1.33328E+001
Tractors/Loaders/Backhoes	9.20100E-002	9.34130E-001	1.26353E+000	1.76000E-003	4.96000E-002	4.56300E-002	0.00000E+000	1.54257E+002	1.54257E+002	4.98900E-002	0.00000E+000	1.55505E+002
Trenchers	2.34700E-002	2.17990E-001	1.67630E-001	2.20000E-004	1.54500E-002	1.42100E-002	0.00000E+000	1.91309E+001	1.91309E+001	6.19000E-003	0.00000E+000	1.92856E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Mitigated tons/yr						Mitigated mt/yr					
Air Compressors	1.05000E-003	7.17000E-003	9.96000E-003	2.00000E-005	3.90000E-004	3.90000E-004	0.00000E+000	1.40429E+000	1.40429E+000	8.00000E-005	0.00000E+000	1.40639E+000
Cement and Mortar Mixers	9.70000E-004	6.08000E-003	5.09000E-003	1.00000E-005	2.40000E-004	2.40000E-004	0.00000E+000	7.56160E-001	7.56160E-001	8.00000E-005	0.00000E+000	7.58120E-001
Concrete/Industrial Saws	5.19700E-002	4.08310E-001	5.17260E-001	8.80000E-004	2.24600E-002	2.24600E-002	0.00000E+000	7.58095E+001	7.58095E+001	4.23000E-003	0.00000E+000	7.59152E+001
Cranes	3.12800E-002	3.44030E-001	1.61490E-001	5.00000E-004	1.43300E-002	1.31900E-002	0.00000E+000	4.41051E+001	4.41051E+001	1.42600E-002	0.00000E+000	4.44617E+001
Forklifts	2.78500E-002	2.59830E-001	2.99670E-001	4.00000E-004	1.65200E-002	1.52000E-002	0.00000E+000	3.50500E+001	3.50500E+001	1.13400E-002	0.00000E+000	3.53334E+001
Pavers	9.20000E-004	9.06000E-003	1.38800E-002	2.00000E-005	4.30000E-004	3.90000E-004	0.00000E+000	1.98740E+000	1.98740E+000	6.40000E-004	0.00000E+000	2.00347E+000
Rollers	7.40000E-004	7.75000E-003	8.91000E-003	1.00000E-005	4.30000E-004	3.90000E-004	0.00000E+000	1.10939E+000	1.10939E+000	3.60000E-004	0.00000E+000	1.11836E+000
Rubber Tired Dozers	1.62800E-002	1.70770E-001	6.62700E-002	1.50000E-004	8.18000E-003	7.52000E-003	0.00000E+000	1.32259E+001	1.32259E+001	4.28000E-003	0.00000E+000	1.33328E+001

Tractors/Loaders/Backhoes	9.20100E-002	9.34130E-001	1.26353E+000	1.76000E-003	4.96000E-002	4.56300E-002	0.00000E+000	1.54257E+002	1.54257E+002	4.98900E-002	0.00000E+000	1.55504E+002
Trenchers	2.34700E-002	2.17990E-001	1.67630E-001	2.20000E-004	1.54500E-002	1.42100E-002	0.00000E+000	1.91309E+001	1.91309E+001	6.19000E-003	0.00000E+000	1.92856E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Air Compressors	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Cement and Mortar Mixers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Concrete/Industrial Saws	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18719E-006	1.18719E-006	0.00000E+000	0.00000E+000	1.18553E-006
Cranes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.13365E-006	1.13365E-006	0.00000E+000	0.00000E+000	1.12456E-006
Forklifts	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.14123E-006	1.14123E-006	0.00000E+000	0.00000E+000	1.13207E-006
Pavers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Rollers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Rubber Tired Dozers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.51218E-006	1.51218E-006	0.00000E+000	0.00000E+000	7.50028E-007
Tractors/Loaders/Backhoes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.16688E-006	1.16688E-006	0.00000E+000	0.00000E+000	1.22183E-006
Trenchers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.04543E-006	1.04543E-006	0.00000E+000	0.00000E+000	1.03704E-006

Fugitive Dust Mitigation

Yes/No	Mitigation Measure	Mitigation Input		Mitigation Input		Mitigation Input	
No	Soil Stabilizer for unpaved Roads	PM10 Reduction	0.00	PM2.5 Reduction	0.00		
No	Replace Ground Cover of Area Disturbed	PM10 Reduction	0.00	PM2.5 Reduction	0.00		
Yes	Water Exposed Area	PM10 Reduction	61.00	PM2.5 Reduction	61.00	Frequency (per day)	3.00
No	Unpaved Road Mitigation	Moisture Content %	0.00	Vehicle Speed (mph)	15.00		
No	Clean Paved Road	% PM Reduction	0.00				

		Unmitigated		Mitigated		Percent Reduction	
Phase	Source	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Architectural Coating	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Roads	0.01	0.00	0.01	0.00	0.00	0.00
Demolition of Existing Pumping Plant	Fugitive Dust	0.00	0.00	0.00	0.00	0.61	0.59
Demolition of Existing Pumping Plant	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Demolition of Other Buildings	Fugitive Dust	0.01	0.00	0.00	0.00	0.61	0.61
Demolition of Other Buildings	Roads	0.01	0.00	0.01	0.00	0.00	0.00
Grading	Fugitive Dust	0.05	0.03	0.02	0.01	0.61	0.61
Grading	Roads	0.02	0.00	0.02	0.00	0.00	0.00
Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Roads	0.00	0.00	0.00	0.00	0.00	0.00

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting:

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value 3
No	Land Use	Increase Density	0.00			
No	Land Use	Increase Diversity	0.04	0.22		
No	Land Use	Improve Walkability Design	0.00			
No	Land Use	Improve Destination Accessibility	0.00			
No	Land Use	Increase Transit Accessibility	0.25			
No	Land Use	Integrate Below Market Rate Housing	0.00			
	Land Use	Land Use SubTotal	0.00			
No	Neighborhood Enhancements	Improve Pedestrian Network				
No	Neighborhood Enhancements	Provide Traffic Calming Measures				
No	Neighborhood Enhancements	Implement NEV Network	0.00			
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00			
No	Parking Policy Pricing	Limit Parking Supply	0.00			
No	Parking Policy Pricing	Unbundle Parking Costs	0.00			
No	Parking Policy Pricing	On-street Market Pricing	0.00			
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00			
No	Transit Improvements	Provide BRT System	0.00			
No	Transit Improvements	Expand Transit Network	0.00			
No	Transit Improvements	Increase Transit Frequency	0.00			
	Transit Improvements	Transit Improvements Subtotal	0.00			
		Land Use and Site Enhancement Subtotal	0.00			
No	Commute	Implement Trip Reduction Program				

No	Commute	Transit Subsidy				
No	Commute	Implement Employee Parking "Cash Out"				
No	Commute	Workplace Parking Charge				
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00			
No	Commute	Market Commute Trip Reduction Option	0.00			
No	Commute	Employee Vanpool/Shuttle	0.00		2.00	
No	Commute	Provide Ride Sharing Program				
	Commute	Commute Subtotal	0.00			
No	School Trip	Implement School Bus Program	0.00			
		Total VMT Reduction	0.00			

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
No	No Hearth	
No	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	50.00
No	Use Low VOC Paint (Residential Exterior)	50.00
No	Use Low VOC Paint (Non-residential Interior)	100.00
No	Use Low VOC Paint (Non-residential Exterior)	100.00
No	Use Low VOC Paint (Parking)	100.00
No	% Electric Lawnmower	
No	% Electric Leafblower	
No	% Electric Chainsaw	

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Exceed Title 24		
No	Install High Efficiency Lighting		
No	On-site Renewable		

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00
DishWasher		15.00
Fan		50.00
Refrigerator		15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Apply Water Conservation on Strategy		
No	Use Reclaimed Water		
No	Use Grey Water		
No	Install low-flow bathroom faucet	32.00	
No	Install low-flow Kitchen faucet	18.00	
No	Install low-flow Toilet	20.00	
No	Install low-flow Shower	20.00	
No	Turf Reduction		
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape		

Solid Waste Mitigation

Mitigation Measures	Input Value

Institute Recycling and Composting Services Percent Reduction in Waste Disposed	

Gardena Pumping Plant - Existing
Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	0.89	1000sqft	0.02	885.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	8			**Operational Year**	2019
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	601.59	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Adjusted CO2 Intensity Factor based on SCE's 2017 Power Content Label

Land Use - 885 square foot existing pump plant

Construction Phase - Modeling operations only

Vehicle Trips - One Pumping Plant Operator per day

Consumer Products - Default

Area Coating - Default

Energy Use - Adjusted electricity to match values provided by LACSD

Water And Wastewater - Adjusted to match values provided by LACSD

Solid Waste - Adjusted to match values provided by LACSD

Stationary Sources - Emergency Generators and Fire Pumps - Existing 150 kW emergency generator - 1 hour testing per day per month; up to 50 hours per year per ATCM

Stationary Sources - Emergency Generators and Fire Pumps EF - Adjusted emission rates based on age of existing generator (1988) assuming Tier 1

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	443.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	1,328.00	0.00
tblConstructionPhase	NumDays	5.00	1.00
tblEnergyUse	NT24E	3.83	405.76
tblEnergyUse	NT24NG	6.86	0.00
tblEnergyUse	T24E	1.63	0.00
tblEnergyUse	T24NG	14.04	0.00
tblLandUse	LandUseSquareFeet	890.00	885.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	601.59
tblSolidWaste	SolidWasteGenerationRate	1.10	0.00
tblStationaryGeneratorsPumpsEF	CO_EF	2.60	8.50
tblStationaryGeneratorsPumpsEF	NOX_EF	2.85	6.90
tblStationaryGeneratorsPumpsEF	PM10_EF	0.15	0.40
tblStationaryGeneratorsPumpsEF	PM2_5_EF	0.15	0.40
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	50.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblVehicleTrips	CC_TTP	28.00	0.00
tblVehicleTrips	CNW_TTP	13.00	0.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.32	2.26
tblVehicleTrips	SU_TR	0.68	2.26
tblVehicleTrips	WD_TR	6.97	2.26
tblWater	IndoorWaterUseRate	205,812.50	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0198	0.0000	9.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		1.9000e-004	1.9000e-004	0.0000		2.1000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	6.2500e-003	0.0322	0.1054	3.4000e-004	0.0259	3.7000e-004	0.0262	6.9200e-003	3.5000e-004	7.2700e-003		34.0807	34.0807	1.8700e-003		34.1274
Stationary	0.3299	2.2320	2.7496	1.5900e-003		0.1294	0.1294		0.1294	0.1294		168.7423	168.7423	0.0237		169.3338
Total	**0.3559**	**2.2642**	**2.8551**	**1.9300e-003**	**0.0259**	**0.1298**	**0.1556**	**6.9200e-003**	**0.1297**	**0.1367**		**202.8232**	**202.8232**	**0.0255**	**0.0000**	**203.4614**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0198	0.0000	9.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		1.9000e-004	1.9000e-004	0.0000		2.1000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	6.2500e-003	0.0322	0.1054	3.4000e-004	0.0259	3.7000e-004	0.0262	6.9200e-003	3.5000e-004	7.2700e-003		34.0807	34.0807	1.8700e-003		34.1274
Stationary	0.3299	2.2320	2.7496	1.5900e-003		0.1294	0.1294		0.1294	0.1294		168.7423	168.7423	0.0237		169.3338
Total	**0.3559**	**2.2642**	**2.8551**	**1.9300e-003**	**0.0259**	**0.1298**	**0.1556**	**6.9200e-003**	**0.1297**	**0.1367**		**202.8232**	**202.8232**	**0.0255**	**0.0000**	**203.4614**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	12/1/2018	12/3/2018	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.2500e-003	0.0322	0.1054	3.4000e-004	0.0259	3.7000e-004	0.0262	6.9200e-003	3.5000e-004	7.2700e-003		34.0807	34.0807	1.8700e-003		34.1274
Unmitigated	6.2500e-003	0.0322	0.1054	3.4000e-004	0.0259	3.7000e-004	0.0262	6.9200e-003	3.5000e-004	7.2700e-003		34.0807	34.0807	1.8700e-003		34.1274

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	2.01	2.01	2.01	12,154	12,154
Total	2.01	2.01	2.01	12,154	12,154

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.548007	0.045751	0.200309	0.124119	0.017133	0.006025	0.018861	0.028423	0.002391	0.002469	0.004915	0.000672	0.000925

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					

General Light Industry	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0198	0.0000	9.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		1.9000e-004	1.9000e-004	0.0000		2.1000e-004
Unmitigated	0.0198	0.0000	9.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		1.9000e-004	1.9000e-004	0.0000		2.1000e-004

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.2500e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0175					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-005	0.0000	9.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		1.9000e-004	1.9000e-004	0.0000		2.1000e-004
Total	**0.0198**	**0.0000**	**9.0000e-005**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**1.9000e-004**	**1.9000e-004**	**0.0000**		**2.1000e-004**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.2500e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0175					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-005	0.0000	9.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		1.9000e-004	1.9000e-004	0.0000		2.1000e-004
Total	**0.0198**	**0.0000**	**9.0000e-005**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**1.9000e-004**	**1.9000e-004**	**0.0000**		**2.1000e-004**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	1	50	201.15	0.73	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Emergency Generator - Diesel	0.3299	2.2320	2.7496	1.5900e-003		0.1294	0.1294		0.1294	0.1294		168.7423	168.7423	0.0237		169.3338
Total	**0.3299**	**2.2320**	**2.7496**	**1.5900e-003**		**0.1294**	**0.1294**		**0.1294**	**0.1294**		**168.7423**	**168.7423**	**0.0237**		**169.3338**

11.0 Vegetation

Gardena Pumping Plant - Existing - Los Angeles-South Coast County, Winter

Gardena Pumping Plant - Existing

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	0.89	1000sqft	0.02	885.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	8			**Operational Year**	2019
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	601.59	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Adjusted CO2 Intensity Factor based on SCE's 2017 Power Content Label

Land Use - 885 square foot existing pump plant

Construction Phase - Modeling operations only

Vehicle Trips - One Pumping Plant Operator per day

Consumer Products - Default

Area Coating - Default

Energy Use - Adjusted electricity to match values provided by LACSD

Water And Wastewater - Adjusted to match values provided by LACSD

Solid Waste - Adjusted to match values provided by LACSD

Stationary Sources - Emergency Generators and Fire Pumps - Existing 150 kW emergency generator - 1 hour testing per day per month; up to 50 hours per year per ATCM

Stationary Sources - Emergency Generators and Fire Pumps EF - Adjusted emission rates based on age of existing generator (1988) assuming Tier 1

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	443.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	1,328.00	0.00
tblConstructionPhase	NumDays	5.00	1.00
tblEnergyUse	NT24E	3.83	405.76
tblEnergyUse	NT24NG	6.86	0.00
tblEnergyUse	T24E	1.63	0.00
tblEnergyUse	T24NG	14.04	0.00
tblLandUse	LandUseSquareFeet	890.00	885.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	601.59
tblSolidWaste	SolidWasteGenerationRate	1.10	0.00
tblStationaryGeneratorsPumpsEF	CO_EF	2.60	8.50
tblStationaryGeneratorsPumpsEF	NOX_EF	2.85	6.90
tblStationaryGeneratorsPumpsEF	PM10_EF	0.15	0.40
tblStationaryGeneratorsPumpsEF	PM2_5_EF	0.15	0.40
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	50.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblVehicleTrips	CC_TTP	28.00	0.00
tblVehicleTrips	CNW_TTP	13.00	0.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.32	2.26
tblVehicleTrips	SU_TR	0.68	2.26
tblVehicleTrips	WD_TR	6.97	2.26
tblWater	IndoorWaterUseRate	205,812.50	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0198	0.0000	9.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		1.9000e-004	1.9000e-004	0.0000		2.1000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	6.0900e-003	0.0334	0.0985	3.2000e-004	0.0259	3.8000e-004	0.0262	6.9200e-003	3.5000e-004	7.2700e-003		32.4454	32.4454	1.8400e-003		32.4914
Stationary	0.3299	2.2320	2.7496	1.5900e-003		0.1294	0.1294		0.1294	0.1294		168.7423	168.7423	0.0237		169.3338
Total	**0.3557**	**2.2655**	**2.8482**	**1.9100e-003**	**0.0259**	**0.1298**	**0.1556**	**6.9200e-003**	**0.1297**	**0.1367**		**201.1879**	**201.1879**	**0.0255**	**0.0000**	**201.8254**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0198	0.0000	9.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		1.9000e-004	1.9000e-004	0.0000		2.1000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	6.0900e-003	0.0334	0.0985	3.2000e-004	0.0259	3.8000e-004	0.0262	6.9200e-003	3.5000e-004	7.2700e-003		32.4454	32.4454	1.8400e-003		32.4914
Stationary	0.3299	2.2320	2.7496	1.5900e-003		0.1294	0.1294		0.1294	0.1294		168.7423	168.7423	0.0237		169.3338
Total	**0.3557**	**2.2655**	**2.8482**	**1.9100e-003**	**0.0259**	**0.1298**	**0.1556**	**6.9200e-003**	**0.1297**	**0.1367**		**201.1879**	**201.1879**	**0.0255**	**0.0000**	**201.8254**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	12/1/2018	12/3/2018	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.0900e-003	0.0334	0.0985	3.2000e-004	0.0259	3.8000e-004	0.0262	6.9200e-003	3.5000e-004	7.2700e-003		32.4454	32.4454	1.8400e-003		32.4914
Unmitigated	6.0900e-003	0.0334	0.0985	3.2000e-004	0.0259	3.8000e-004	0.0262	6.9200e-003	3.5000e-004	7.2700e-003		32.4454	32.4454	1.8400e-003		32.4914

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	2.01	2.01	2.01	12,154	12,154
Total	2.01	2.01	2.01	12,154	12,154

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.548007	0.045751	0.200309	0.124119	0.017133	0.006025	0.018861	0.028423	0.002391	0.002469	0.004915	0.000672	0.000925

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					

General Light Industry	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0198	0.0000	9.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		1.9000e-004	1.9000e-004	0.0000		2.1000e-004
Unmitigated	0.0198	0.0000	9.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		1.9000e-004	1.9000e-004	0.0000		2.1000e-004

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.2500e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0175					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-005	0.0000	9.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		1.9000e-004	1.9000e-004	0.0000		2.1000e-004
Total	**0.0198**	**0.0000**	**9.0000e-005**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**1.9000e-004**	**1.9000e-004**	**0.0000**		**2.1000e-004**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.2500e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0175					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-005	0.0000	9.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		1.9000e-004	1.9000e-004	0.0000		2.1000e-004
Total	**0.0198**	**0.0000**	**9.0000e-005**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**1.9000e-004**	**1.9000e-004**	**0.0000**		**2.1000e-004**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	1	50	201.15	0.73	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Emergency Generator - Diesel	0.3299	2.2320	2.7496	1.5900e-003		0.1294	0.1294		0.1294	0.1294		168.7423	168.7423	0.0237		169.3338
Total	**0.3299**	**2.2320**	**2.7496**	**1.5900e-003**		**0.1294**	**0.1294**		**0.1294**	**0.1294**		**168.7423**	**168.7423**	**0.0237**		**169.3338**

11.0 Vegetation

Gardena Pumping Plant - Existing - Los Angeles-South Coast County, Annual

Gardena Pumping Plant - Existing

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	0.89	1000sqft	0.02	885.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	8			**Operational Year**	2019
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	601.59	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Adjusted CO2 Intensity Factor based on SCE's 2017 Power Content Label

Land Use - 885 square foot existing pump plant

Construction Phase - Modeling operations only

Vehicle Trips - One Pumping Plant Operator per day

Consumer Products - Default

Area Coating - Default

Energy Use - Adjusted electricity to match values provided by LACSD

Water And Wastewater - Adjusted to match values provided by LACSD

Solid Waste - Adjusted to match values provided by LACSD

Stationary Sources - Emergency Generators and Fire Pumps - Existing 150 kW emergency generator - 1 hour testing per day per month; up to 50 hours per year per ATCM

Stationary Sources - Emergency Generators and Fire Pumps EF - Adjusted emission rates based on age of existing generator (1988) assuming Tier 1

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	443.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	1,328.00	0.00
tblConstructionPhase	NumDays	5.00	1.00
tblEnergyUse	NT24E	3.83	405.76
tblEnergyUse	NT24NG	6.86	0.00
tblEnergyUse	T24E	1.63	0.00
tblEnergyUse	T24NG	14.04	0.00
tblLandUse	LandUseSquareFeet	890.00	885.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	601.59
tblSolidWaste	SolidWasteGenerationRate	1.10	0.00
tblStationaryGeneratorsPumpsEF	CO_EF	2.60	8.50
tblStationaryGeneratorsPumpsEF	NOX_EF	2.85	6.90
tblStationaryGeneratorsPumpsEF	PM10_EF	0.15	0.40
tblStationaryGeneratorsPumpsEF	PM2_5_EF	0.15	0.40
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	50.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblVehicleTrips	CC_TTP	28.00	0.00
tblVehicleTrips	CNW_TTP	13.00	0.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.32	2.26
tblVehicleTrips	SU_TR	0.68	2.26
tblVehicleTrips	WD_TR	6.97	2.26
tblWater	IndoorWaterUseRate	205,812.50	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2018	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2018	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.6100e-003	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	98.7114	98.7114	4.7600e-003	9.8000e-004	99.1238
Mobile	1.0900e-003	6.2000e-003	0.0183	6.0000e-005	4.6100e-003	7.0000e-005	4.6800e-003	1.2400e-003	6.0000e-005	1.3000e-003	0.0000	5.4273	5.4273	3.0000e-004	0.0000	5.4350
Stationary	8.2500e-003	0.0558	0.0687	4.0000e-005		3.2300e-003	3.2300e-003		3.2300e-003	3.2300e-003	0.0000	3.8270	3.8270	5.4000e-004	0.0000	3.8404
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0130**	**0.0620**	**0.0870**	**1.0000e-004**	**4.6100e-003**	**3.3000e-003**	**7.9100e-003**	**1.2400e-003**	**3.2900e-003**	**4.5300e-003**	**0.0000**	**107.9658**	**107.9658**	**5.6000e-003**	**9.8000e-004**	**108.3992**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.6100e-003	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	98.7114	98.7114	4.7600e-003	9.8000e-004	99.1238
Mobile	1.0900e-003	6.2000e-003	0.0183	6.0000e-005	4.6100e-003	7.0000e-005	4.6800e-003	1.2400e-003	6.0000e-005	1.3000e-003	0.0000	5.4273	5.4273	3.0000e-004	0.0000	5.4350
Stationary	8.2500e-003	0.0558	0.0687	4.0000e-005		3.2300e-003	3.2300e-003		3.2300e-003	3.2300e-003	0.0000	3.8270	3.8270	5.4000e-004	0.0000	3.8404
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0130**	**0.0620**	**0.0870**	**1.0000e-004**	**4.6100e-003**	**3.3000e-003**	**7.9100e-003**	**1.2400e-003**	**3.2900e-003**	**4.5300e-003**	**0.0000**	**107.9658**	**107.9658**	**5.6000e-003**	**9.8000e-004**	**108.3992**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	12/1/2018	12/3/2018	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.0900e-003	6.2000e-003	0.0183	6.0000e-005	4.6100e-003	7.0000e-005	4.6800e-003	1.2400e-003	6.0000e-005	1.3000e-003	0.0000	5.4273	5.4273	3.0000e-004	0.0000	5.4350
Unmitigated	1.0900e-003	6.2000e-003	0.0183	6.0000e-005	4.6100e-003	7.0000e-005	4.6800e-003	1.2400e-003	6.0000e-005	1.3000e-003	0.0000	5.4273	5.4273	3.0000e-004	0.0000	5.4350

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	2.01	2.01	2.01	12,154	12,154

Total	2.01	2.01	2.01	12,154	12,154

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.548007	0.045751	0.200309	0.124119	0.017133	0.006025	0.018861	0.028423	0.002391	0.002469	0.004915	0.000672	0.000925

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	98.7114	98.7114	4.7600e-003	9.8000e-004	99.1238
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	98.7114	98.7114	4.7600e-003	9.8000e-004	99.1238
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	361744	98.7114	4.7600e-003	9.8000e-004	99.1238
Total		**98.7114**	**4.7600e-003**	**9.8000e-004**	**99.1238**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	361744	98.7114	4.7600e-003	9.8000e-004	99.1238
Total		**98.7114**	**4.7600e-003**	**9.8000e-004**	**99.1238**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.6100e-003	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Unmitigated	3.6100e-003	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	4.1000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.2000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Total	**3.6100e-003**	**0.0000**	**1.0000e-005**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**2.0000e-005**	**2.0000e-005**	**0.0000**	**0.0000**	**2.0000e-005**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	4.1000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.2000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Total	**3.6100e-003**	**0.0000**	**1.0000e-005**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**2.0000e-005**	**2.0000e-005**	**0.0000**	**0.0000**	**2.0000e-005**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e

Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e

Land Use	tons	MT/yr			
General Light Industry	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	1	50	201.15	0.73	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel (175 - 300 HP)	8.2500e-003	0.0558	0.0687	4.0000e-005		3.2300e-003	3.2300e-003		3.2300e-003	3.2300e-003	0.0000	3.8270	3.8270	5.4000e-004	0.0000	3.8404
Total	**8.2500e-003**	**0.0558**	**0.0687**	**4.0000e-005**		**3.2300e-003**	**3.2300e-003**		**3.2300e-003**	**3.2300e-003**	**0.0000**	**3.8270**	**3.8270**	**5.4000e-004**	**0.0000**	**3.8404**

11.0 Vegetation

CalEEMod Version: CalEEMod.2016.3.2

Date: 3/19/2019 4:52 PM

Gardena Pumping Plant - Existing

Los Angeles-South Coast County, Mitigation Report

Construction Mitigation Summary

Phase	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

OFFROAD Equipment Mitigation

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Air Compressors	Diesel	No Change	0	0	No Change	0.00

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Unmitigated tons/yr						Unmitigated mt/yr					
Air Compressors	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Mitigated tons/yr						Mitigated mt/yr					
Air Compressors	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												

Air Compressors	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000

Fugitive Dust Mitigation

Yes/No	Mitigation Measure	Mitigation Input		Mitigation Input		Mitigation Input	
No	Soil Stabilizer for unpaved Roads	PM10 Reduction		PM2.5 Reduction			
No	Replace Ground Cover of Area Disturbed	PM10 Reduction		PM2.5 Reduction			
No	Water Exposed Area	PM10 Reduction		PM2.5 Reduction		Frequency (per day)	
No	Unpaved Road Mitigation	Moisture Content %		Vehicle Speed (mph)	0.00		
No	Clean Paved Road	% PM Reduction	0.00				

		Unmitigated		Mitigated		Percent Reduction	
Phase	Source	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Architectural Coating	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	Roads	0.00	0.00	0.00	0.00	0.00	0.00

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting:

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value 3
No	Land Use	Increase Density	0.00			
No	Land Use	Increase Diversity	-0.01	0.13		
No	Land Use	Improve Walkability Design	0.00			
No	Land Use	Improve Destination Accessibility	0.00			
No	Land Use	Increase Transit Accessibility	0.25			
No	Land Use	Integrate Below Market Rate Housing	0.00			
	Land Use	Land Use SubTotal	0.00			
No	Neighborhood Enhancements	Improve Pedestrian Network				
No	Neighborhood Enhancements	Provide Traffic Calming Measures				
No	Neighborhood Enhancements	Implement NEV Network	0.00			
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00			
No	Parking Policy Pricing	Limit Parking Supply	0.00			
No	Parking Policy Pricing	Unbundle Parking Costs	0.00			
No	Parking Policy Pricing	On-street Market Pricing	0.00			
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00			
No	Transit Improvements	Provide BRT System	0.00			
No	Transit Improvements	Expand Transit Network	0.00			
No	Transit Improvements	Increase Transit Frequency	0.00			

	Transit Improvements	Transit Improvements Subtotal	0.00			
		Land Use and Site Enhancement Subtotal	0.00			
No	Commute	Implement Trip Reduction Program				
No	Commute	Transit Subsidy				
No	Commute	Implement Employee Parking "Cash Out"				
No	Commute	Workplace Parking Charge				
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00			
No	Commute	Market Commute Trip Reduction Option	0.00			
No	Commute	Employee Vanpool/Shuttle	0.00		2.00	
No	Commute	Provide Ride Sharing Program				
	Commute	Commute Subtotal	0.00			
No	School Trip	Implement School Bus Program	0.00			
		Total VMT Reduction	0.00			

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
No	No Hearth	
No	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	50.00
No	Use Low VOC Paint (Residential Exterior)	50.00
No	Use Low VOC Paint (Non-residential Interior)	100.00
No	Use Low VOC Paint (Non-residential Exterior)	100.00
No	Use Low VOC Paint (Parking)	100.00
No	% Electric Lawnmower	0.00
No	% Electric Leafblower	0.00

No	% Electric Chainsaw	0.00

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Exceed Title 24		
No	Install High Efficiency Lighting		
No	On-site Renewable		

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00
DishWasher		15.00
Fan		50.00
Refrigerator		15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Apply Water Conservation on Strategy		
No	Use Reclaimed Water		
No	Use Grey Water		
No	Install low-flow bathroom faucet	32.00	
No	Install low-flow Kitchen faucet	18.00	
No	Install low-flow Toilet	20.00	
No	Install low-flow Shower	20.00	
No	Turf Reduction		
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape		

Solid Waste Mitigation

Mitigation Measures	Input Value
Institute Recycling and Composting Services Percent Reduction in Waste Disposed	

Appendix B

Cultural Resources Technical Report

CULTURAL RESOURCES TECHNICAL REPORT FOR THE GARDENA PUMPING PLANT UPGRADE PROJECT

City of Gardena, Los Angeles County, California

PREPARED FOR:

SANITATION DISTRICTS OF LOS ANGELES COUNTY
1955 Workman Mill Road
Whittier, California 90601
Contact: Debra Bogdanoff
Senior Engineer, Facilities and Property Management Section

PREPARED BY:

Kate Kaiser, MSHP, Linda Kry, BA, Erica Nicolay, MA, and Samantha Murray, MA

DUDEK
38 North Marengo Avenue
Pasadena, California 91101

MARCH 2019

PRINTED ON 30% POST-CONSUMER RECYCLED MATERIAL.

TABLE OF CONTENTS

SECTION PAGE

ACRONYMS AND ABBREVIATIONS III
EXECUTIVE SUMMARY V
1 INTRODUCTION 1
1.1 Project Description 1
1.2 Project Location 2
1.3 Project Personnel 2
1.4 Regulatory Setting 7
2 HISTORIC CONTEXT 13
2.1 Prehistoric Overview 13
2.2 Ethnographic Overview 15
2.3 Pre-Incorporation Gardena Valley (1781–1929) 19
2.4 City of Gardena (1930–Present) 22
2.5 Sanitation Districts of Los Angeles County 25
2.6 Architectural Styles of the Subject Properties 28
3 BACKGROUND RESEARCH 31
3.1 California Historical Resources Information System Records Search 31
3.2 NAHC and Native American Correspondence 35
3.3 Building Development Research 35
4 FIELD SURVEY 39
4.1 Description of Surveyed Resources 39
5 SIGNIFICANCE EVALUATION 45
5.1 Gardena Pumping Plant (1928, 1966) 45
5.2 Majestic Lighting, 1923 West Artesia Boulevard (1957) 47
5.3 E-S Technical Motorsports, 1931 West Artesia Boulevard (1954) 48
6 FINDINGS AND RECOMMENDATIONS 51
6.1 Summary of Findings 51
6.2 Management Recommendations 51
7 REFERENCES CITED 53

APPENDICES

A Preparers' Qualifications
B CONFIDENTIAL Records Search Results
C DPR Forms

FIGURES

1 Regional Map 3
2 Project Location Map 5
3 Original Grant of Rancho San Pedro to Juan Jose Dominguez, 1784 (California State University Dominguez Archives) 19
4 Advertisement for the McDonald Tract, 1887 (Huntington Library Map Collection) 20
5 Japanese Family in a Gardena Strawberry Farm, 1912 (Los Angeles County Library, Mayme Dear Branch) 22
6 Gardena Valley Map, 1933 (Local History Collection, Los Angeles County Library, Mayme Dear Branch) 23
7 Aerial Imagery of Project Site Illustrating Growth, 1952 (left), 1960 (right); West Artesia Horizontal in Middle-Bottom of Photograph; Major Vertical Streets from Left to Right: Gramercy Place (Illinois Street) and Western Avenue (FAS 1960; PAI 1952) 25
8 Sheet 5. Building Details for Gardena Pumping Plant, 1928 by A M Rawn (LACSD Records) 26
9 Overview of Main (South) Elevation, with 1928 Original Pumping Plant on right, and 1960 Addition on Left (1/8/2019, IMG_01744) 40
10 Overview of Main (South) Elevation of the Majestic Lighting Building at 1923 West Artesia Boulevard (1/8/2019, IMG_1729) 42
11 Overview of 1931 West Artesia Boulevard Looking Northeast (1/8/2019, IMG_1733) 44

TABLES

1 Previously Conducted Cultural Resources Studies within 1 Mile of Project Site 31
2 Previously Recorded Cultural Resources within 1 Mile of the Project Site 34
3 Native American Heritage Commission–Listed Native American Contacts 35

ACRONYMS AND ABBREVIATIONS

Acronym/Abbreviation	Definition
APN	Assessor's Parcel Number
CEQA	California Environmental Quality Act
CFR	Code of Federal Regulations
CHRIS	California Historical Resources Information System
CRHR	California Register of Historical Resources
DPR	Department of Parks and Recreation
LACSD	Sanitation Districts of Los Angeles County
MLD	most likely descendant
NAHC	Native American Heritage Commission
NRHP	National Register of Historic Places
OHP	Office of Historic Preservation
PAIS	Los Angeles County Assessor's Property Assessment Information System
PRC	Public Resources Code
Project	Gardena Pumping Plant Upgrades
SCCIC	South Central Coastal Information Center
SLF	Sacred Lands File
WWII	World War II

INTENTIONALLY LEFT BLANK

EXECUTIVE SUMMARY

Dudek has been retained by the Sanitation Districts of Los Angeles County (LACSD) in support of the proposed upgrades to the existing Gardena Pumping Plant at 1919 West Artesia Boulevard in the City of Gardena, Los Angeles County, California. The proposed Gardena Pumping Plant Upgrades (project) would include the replacement of the existing plant superstructure and the existing pumps, deep excavation of a dry/wet well, improvement of force mains and cross connections, and associated equipment upgrades within the pump station. The project area is located at 1919, 1923, and 1931 West Artesia Boulevard.

The cultural resources technical report involved completion of a California Historical Resources Information System (CHRIS) records search, outreach with the Native American Heritage Commission (NAHC) and local Native American individuals and/or tribal organizations, a pedestrian survey of the project area for built environment resources, and recordation and evaluation of three built environment resources for historical significance. The significance evaluation included conducting archival and building development research for each building on the project site, outreach at local libraries, and completion of a historic context. This study was conducted in accordance with California Environmental Quality Act (CEQA) Guidelines Section 15064.5(a)(2)–(3), and the project site was evaluated in consideration of National Register of Historic Places (NRHP) and California Register of Historical Resources (CRHR) eligibility and integrity requirements.

No archaeological resources were identified within the project site as a result of the CHRIS records search or Native American coordination. No specific archaeological resources or sensitivity concerns were identified by any sources consulted. However, it is always possible that intact archaeological deposits are present at subsurface levels. For this reason, the project site should be treated as potentially sensitive for archaeological resources. Management recommendations to reduce potential impacts to unanticipated archaeological resources and human remains during construction activities are provided in Section 6.2, Management Recommendations.

Three properties (Gardena Pumping Plant, 1923 West Artesia Boulevard, and 1931 West Artesia Boulevard) were evaluated for historical significance and do not appear eligible for inclusion in the NRHP or CRHR (6Z) due to a lack of significant historical associations. These properties are not considered historical resources for the purposes CEQA. Therefore, the proposed project would have a less-than-significant impact on historical resources for the purposes of CEQA.

INTENTIONALLY LEFT BLANK

1 INTRODUCTION

Dudek was retained by the Sanitation Districts of Los Angeles County (LACSD) to complete a cultural resources technical report for a project that proposes to upgrade the existing pump station along Artesia Boulevard in the City of Gardena, Los Angeles County, California (project) (Figure 1, Regional Map). This Cultural Resources Technical Report provides the results of a California Historical Resources Information System (CHRIS) records search, discusses Assembly Bill (AB) 52 and Native American Heritage Commission (NAHC) consultation assistance, discusses the pedestrian survey of all historic-age buildings and structures within the project site and any buildings that may be indirectly impacted by the proposed project, and records and evaluates built environment resources for historical significance. The significance evaluation included conducting archival and building development research; outreach with local libraries, historical societies, and advocacy groups; and completion of a historic context. This study was conducted in accordance with CEQA Guidelines Section 15064.5(a)(2)–(3), and the project site was evaluated in consideration of National Register of Historic Places (NRHP) and California Register of Historical Resources (CRHR) eligibility and integrity requirements.

1.1 Project Description

The proposed project would address the existing safety, reliability, and maintenance issues of the existing Gardena Pumping Plant by consolidating the East and West Plants into one new pumping plant near the existing location. The proposed project would include the following components:

- Replacement of plant superstructure
- Replacements of pumps
- Deep excavation of dry/wet well
- Improvement of force mains and cross connections
- Associated equipment upgrades

The proposed project would serve the same function as the existing Gardena Pumping Plant, and would continue to accept wastewater flows from the 36-inch-diameter Gramercy Place Trunk Section 1 Sewer, the 24-inch-diameter Moneta Extension Trunk Sewer, and the 24-inch-diameter Gardena Pump Trunk Sewer. The influent would be directed to one new wet well via improved cross connections. The flow capacities of the upgraded Gardena Pumping Plant would be the same as current combined flows for the East and West Plants. Effluent would be directed back to LACSD's wastewater collection system via improved force mains. In addition, operation and maintenance activities would be the same as the existing conditions. The proposed project would be designed for uninterruptible operation through features such as redundant pumps, redundant force mains, and backup generators. The new pumping plant superstructure would be approximately 576 square feet and 13 feet high.

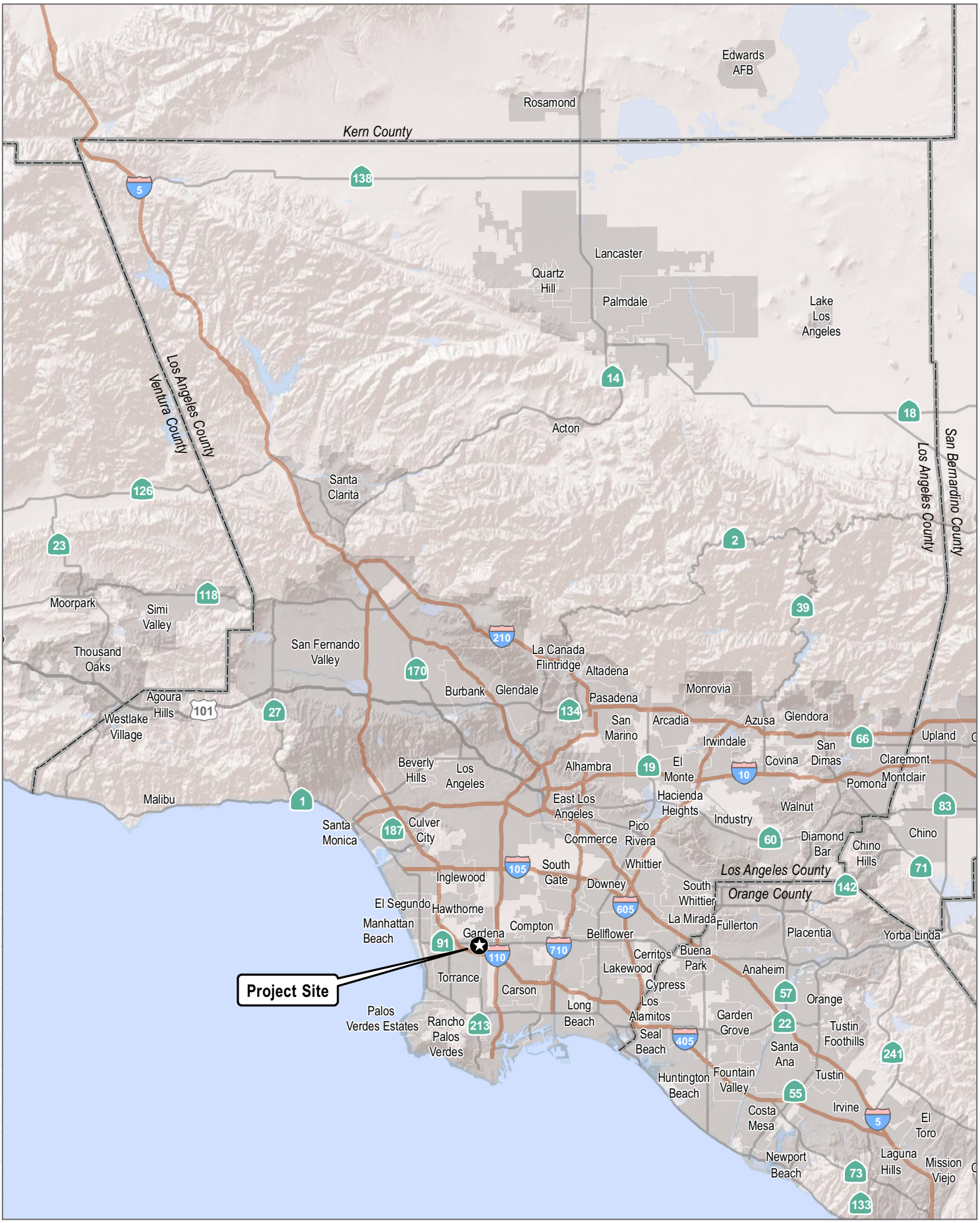
1.2 Project Location

The project location, also called the Gardena Pumping Plant, is at 1919 West Artesia Boulevard (Assessor's Parcel Number [APN] 4094-007-903), located on the north side of West Artesia Boulevard (State Route 91), bordered by open-air parking and the Dominguez Channel to the east, and mixed-use commercial/industrial buildings to the west and north. The LACSD project parcel is 0.086 acres and generally located between West Artesia Boulevard, Gramercy Place, West 169th Street, and South Western Avenue in the southwestern section of the City of Gardena. The project site contains a single brick building built in 1928 with a 1960 addition. The building houses a pumping station for LACSD's District No. 5, which serves 87.5 square miles. The project also includes two commercial businesses on adjacent parcels 1923 West Artesia Boulevard (APN 4094-007-005), and 1931 West Artesia Boulevard (APN 4094-007-004) (Figure 2, Project Location Map).

The Gardena Pumping Plant, and adjacent properties are located in the southern portion of the City of Gardena, adjacent to the City of Torrance. The project site is in the South Bay region of Los Angeles County, between the Cities of Torrance and Carson. Generally, the project site is located northwest of the Interstate 405 and State Route 110 intersection and west of the Dominguez Channel. Specifically, the project site is located at 1919 West Artesia Boulevard in the City of Gardena.

1.3 Project Personnel

Dudek staff completed all cultural resources technical work in support of this report. Dudek Architectural Historian Kate Kaiser, MSHP, and Dudek Archaeologists Linda Kry, BA, and Erica Nicolay, MA, authored this report. Ms. Kaiser also prepared the archival research, the Department of Parks and Recreation (DPR) forms, and the significance evaluation. Ms. Kry and Ms. Nicolay contributed to archaeological components of this report, including review and summary of CHRIS records search results. This report was reviewed for quality assurance/quality control by Principal Architectural Historian and Archaeologist Samantha Murray, MA, RPA. All project staff meet or exceed the Secretary of the Interior's Professional Qualification Standards (36 Code of Federal Regulations [CFR] Part 61) in architectural history or archaeology. Preparers' qualifications can be reviewed in Appendix A.



SOURCE: ESRI

FIGURE 1

Regional Map

Gardenia Pump Station

DUDEK

0 27,500 55,000 Feet

INTENTIONALLY LEFT BLANK

AERIAL SOURCE: Bing Maps
PROJECT LOCATION: USGS 7.5-Minute Series Torrance Quadrangle, Township 3S; Range 14W; Section 26

DUDEK

0 25 50 Feet

FIGURE 2

Project Location

Gardenia Pump Station

INTENTIONALLY LEFT BLANK

1.4 Regulatory Setting

This section includes a discussion of the applicable state and local laws, ordinances, regulations, and standards governing cultural resources, which must be adhered to before and during construction of the proposed project.

Federal

Although there is no federal nexus for this project, resources were evaluated in consideration of NRHP designation criteria.

The NRHP is the United States' official list of districts, sites, buildings, structures, and objects worthy of preservation. Overseen by the National Park Service under the U.S. Department of the Interior, the NRHP was authorized under the National Historic Preservation Act, as amended. Its listings encompass all National Historic Landmarks and historic areas administered by the National Park Service.

NRHP guidelines for the evaluation of historic significance were developed to be flexible and to recognize the accomplishments of all who have made significant contributions to the nation's history and heritage. Its criteria are designed to guide state and local governments, federal agencies, and others in evaluating potential entries in the NRHP. For a property to be listed in or determined eligible for listing, it must be demonstrated to possess integrity and to meet at least one of the following criteria:

The quality of significance in American history, architecture, archaeology, engineering, and culture is present in districts, sites, buildings, structures, and objects that possess integrity of location, design, setting, materials, workmanship, feeling, and association, and:

A. That are associated with events that have made a significant contribution to the broad patterns of our history; or

B. That are associated with the lives of persons significant in our past; or

C. That embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction; or

D. That have yielded, or may be likely to yield, information important in prehistory or history.

Integrity is defined in NRHP guidance, How to Apply the National Register Criteria, as "the ability of a property to convey its significance. To be listed in the NRHP, a property must not only be shown to be significant under the NRHP criteria, but it also must have integrity" (Andrus and Shrimpton 2002). Historic properties either retain integrity (convey their significance) or they do not. Within the concept of integrity, the National Register criteria recognizes seven aspects or qualities that define integrity. The seven aspects of integrity are locations, setting, design, materials, workmanship, feeling and association. In order to retain historic integrity "a property will always possess several, and usually most, of the aspects" (Andrus and Shrimpton 2002).

NRHP guidance further asserts that properties be completed at least 50 years ago to be considered for eligibility. Properties completed fewer than 50 years before evaluation must be proven to be "exceptionally important" (criteria consideration G) to be considered for listing.

A historic property is defined as "any prehistoric or historic district, site, building, structure, or object included in, or eligible for inclusion in, the NRHP maintained by the Secretary of the Interior. This term includes artifacts, records, and remains that are related to and located within such properties. The term includes properties of traditional religious and cultural importance to an Indian tribe or Native Hawaiian organization and that meet the NRHP criteria" (36 CFR Section 800.16(i)(1)).

Effects on historic properties under National Historic Preservation Act Section 106 are defined in the assessment of adverse effects in 36 CFR Section 800.5(a)(1).

State

California Register of Historical Resources (California Public Resources Code Sections 5020 et seq.)

In California, the term "historical resource" includes "any object, building, structure, site, area, place, record, or manuscript which is historically or archaeologically significant, or is significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California" (California Public Resources Code [PRC] Section 5020.1(j)). In 1992, the California legislature established the CRHR "to be used by state and local agencies, private groups, and citizens to identify the state's historical resources and to indicate what properties are to be protected, to the extent prudent and feasible, from substantial adverse change" (PRC Section 5024.1(a)). The criteria for listing resources in the CRHR were expressly developed to be in accordance with previously established criteria developed for listing in the NRHP, enumerated below. According to PRC Section 5024.1(c)(1–4), a resource is considered historically significant if it (i) retains "substantial integrity," and (ii) meets at least one of the following criteria:

(1) Is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage;

(2) Is associated with the lives of persons important in our past;

(3) Embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic values; or

(4) Has yielded, or may be likely to yield, information important in prehistory or history.

To understand the historic importance of a resource, sufficient time must have passed to obtain a scholarly perspective on the events or individuals associated with the resource. A resource less than 50 years old may be considered for listing in the CRHR if it can be demonstrated that sufficient time has passed to understand its historical importance (see 14 California Code of Regulations Section 4852(d)(2)).

The CRHR protects cultural resources by requiring evaluations of the significance of prehistoric and historic resources. The criteria for the CRHR are nearly identical to those for the NRHP, and properties listed in or formally designated as eligible for listing in the NRHP are automatically listed in the CRHR, as are state landmarks and points of interest. The CRHR also includes properties designated under local ordinances or identified through local historical resource surveys.

CEQA

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

- PRC Section 21083.2(g) defines "unique archaeological resource."
- PRC Section 21084.1 and CEQA Guidelines Section 15064.5(a) defines "historical resources." In addition, CEQA Guidelines Section 15064.5(b) defines the phrase "substantial adverse change in the significance of an historical resource"; it also defines the circumstances when a project would materially impair the significance of an historical resource.
- PRC Section 21074(a) defines "tribal cultural resources."
- PRC Section 5097.98 and CEQA Guidelines Section 15064.5(e) set forth standards and steps to be employed following the accidental discovery of human remains in any location other than a dedicated ceremony.
- PRC Sections 21083.2(b) and 21083.2(c) and CEQA Guidelines Section 15126.4 provide information regarding the mitigation framework for archaeological and historic resources, including examples of preservation-in-place mitigation measures. Preservation-in-place is the preferred manner of mitigating impacts to significant archaeological sites because it maintains the relationship between artifacts and the archaeological context and may help avoid conflict with religious or cultural values of groups associated with the archaeological site(s).

More specifically, under CEQA, a project may have a significant impact on the environment if it may cause "a substantial adverse change in the significance of an historical resource" (PRC Section 21084.1; CEQA Guidelines Section 15064.5(b)). If a site is either listed in or eligible for listing in the CRHR, included in a local register of historic resources, or identified as significant in a historical resources survey (meeting the requirements of PRC Section 5024.1(q)), it is a "historical resource" and is presumed to be historically or culturally significant for the purposes of CEQA (PRC Section 21084.1; CEQA Guidelines Section 15064.5(a)). The lead agency is not precluded from determining that a resource is a historical resource even if it does not fall within this presumption (PRC Section 21084.1; CEQA Guidelines Section 15064.5(a)).

A "substantial adverse change in the significance of an historical resource"—indicating a significant effect under CEQA—means "physical demolition, destruction, relocation, or alteration of the resource or its immediate surroundings such that the significance of an historical resource would be materially impaired" (CEQA Guidelines Section 15064.5(b)(1); PRC Section 5020.1(q)). In turn, the significance of a historical

resource is materially impaired when a project does any of the following (CEQA Guidelines Section 15064.5(b)(2)):

1. Demolishes or materially alters in an adverse manner those physical characteristics of an historical resource that convey its historical significance and that justify its inclusion in, or eligibility for, inclusion in the California Register; or
2. Demolishes or materially alters in an adverse manner those physical characteristics that account for its inclusion in a local register of historical resources pursuant to PRC Section 5020.1(k) or its identification in an historical resources survey meeting the requirements of PRC Section 5024.1(g), unless the public agency reviewing the effects of the project establishes by a preponderance of evidence that the resource is not historically or culturally significant; or
3. Demolishes or materially alters in an adverse manner those physical characteristics of a historical resource that convey its historical significance and that justify its eligibility for inclusion in the California Register as determined by a lead agency for purposes of CEQA.

Pursuant to these sections, the CEQA inquiry begins with evaluating whether a project site contains any "historical resources," then evaluates whether that project would cause a substantial adverse change in the significance of an historical resource such that the resource's historical significance would be materially impaired.

If it can be demonstrated that a project would cause damage to a unique archaeological resource, the lead agency may require reasonable efforts be made to permit any or all of these resources to be preserved in place or left in an undisturbed state. To the extent that they cannot be left undisturbed, mitigation measures are required (PRC Sections 21083.2(a), (b), and (c)).

PRC Section 21083.2(g) defines a unique "archaeological resource" as an "archaeological artifact, object, or site about which it can be clearly demonstrated that without merely adding to the current body of knowledge, there is a high probability that it meets any of the following criteria:

1. Contains information needed to answer important scientific research questions and that there is a demonstrable public interest in that information;
2. Has a special and particular quality such as being the oldest of its type or the best available example of its type; or
3. Is directly associated with a scientifically recognized important prehistoric or historic event or person."

Impacts to non-unique archaeological resources are generally not considered a significant environmental impact (PRC Section 21083.2(a); CEQA Guidelines Section 15064.5(c)(4)). However, if a non-unique archaeological resource qualifies as a tribal cultural resource (PRC Sections 21074(c), 21083.2(h)); further consideration of significant impacts is required.

CEQA Guidelines Section 15064.5 assigns special importance to human remains and specifies procedures to be used when Native American remains are discovered. These procedures, described as follows, are detailed in PRC Section 5097.98.

California Health and Safety Code

California law protects Native American burials, skeletal remains, and associated grave goods, regardless of their antiquity, and provides for the sensitive treatment and disposition of those remains. Health and Safety Code Section 7050.5 requires that if human remains are discovered in any place other than a dedicated cemetery, no further disturbance or excavation of the site or nearby area reasonably suspected to contain human remains can occur until the County Coroner has examined the remains (Health and Safety Code Section 7050.5b). PRC Section 5097.98 outlines the process to be followed in the event that remains are discovered. If the coroner determines or has reason to believe the remains are those of a Native American, the coroner must contact the NAHC within 24 hours (Health and Safety Code Section 7050.5c). The NAHC would notify the most likely descendant (MLD). With the permission of the landowner, the MLD may inspect the site of discovery. The inspection must be completed within 48 hours of notification of the MLD by the NAHC. The MLD may recommend means of treating or disposing of, with appropriate dignity, the human remains and items associated with Native Americans.

Local

The City of Gardena does not have an historic preservation ordinance or specific policies related to cultural resources. However, the 2006 Gardena General Plan includes a brief list of goals for management of cultural resources (City of Gardena 2006):

Gardena General Plan 2006 – Conservation Plan

CN Goal 5 Protect the City's cultural resources.

CN 5.1: Maintain an inventory of the City's historical resources, including a survey of buildings of architectural, cultural or historical significance.

CN 5.2: Provide provisions in the Municipal Code to protect historical and cultural resources.

CN 5.3: Protect and preserve cultural resources of the Gabrielino Native American Tribe found or uncovered during construction.

INTENTIONALLY LEFT BLANK

2 HISTORIC CONTEXT

2.1 Prehistoric Overview

Evidence for continuous human occupation in Southern California spans the last 10,000 years. Various attempts to parse out variability in archaeological assemblages over this broad period have led to the development of several cultural chronologies; some of these are based on geologic time, most are based on temporal trends in archaeological assemblages, and others are interpretive reconstructions. To be more inclusive, this research employs a common set of generalized terms used to describe chronological trends in assemblage composition: Paleoindian (pre-5500 BC), Archaic (8000 BC–AD 500), Late Prehistoric (AD 500–1769), and Ethnohistoric (post-AD 1769).

Paleoindian Period (pre-5500 BC)

Evidence for Paleoindian occupation in the region is tenuous. Our knowledge of associated cultural pattern(s) is informed by a relatively sparse body of data that has been collected from within an area extending from coastal San Diego, through the Mojave Desert, and beyond. One of the earliest dated archaeological assemblages in the region is located in coastal Southern California (though contemporaneous sites are present in the Channel Islands) derives from SDI-4669/W-12 in La Jolla. A human burial from SDI-4669 was radiocarbon dated to 9,590–9,920 years before present (95.4% probability) (Hector 1985). The burial is part of a larger site complex that contained more than 29 human burials associated with an assemblage that fits the Archaic profile (i.e., large amounts of ground stone, battered cobbles, and expedient flake tools). In contrast, typical Paleoindian assemblages include large stemmed projectile points, high proportions of formal lithic tools, bifacial lithic reduction strategies, and relatively small proportions of ground stone tools. Prime examples of this pattern are sites that were studied by Emma Lou Davis (1978) on Naval Air Weapons Station China Lake near Ridgecrest, California. These sites contained fluted and unfluted stemmed points and large numbers of formal flake tools (e.g., shaped scrapers, blades). Other typical Paleoindian sites include the Komodo site (MNO-679)—a multi-component fluted point site, and MNO-680—a single component Great Basined Stemmed point site (see Basgall et al. 2002). At MNO-679 and -680, groundstone tools were rare but finely made projectile points were common.

Warren et al. (2004) claimed that a biface (prehistoric stone tool that has been flaked on both faces), manufacturing tradition present at the Harris site complex (SDI-149) is representative of typical Paleoindian occupation in the region that possibly dates between 10,365 and 8,200 BC (Warren et al. 2004). Termed San Dieguito (see also Rogers 1945), assemblages at the Harris site are qualitatively distinct from most others in region because the site has large numbers of finely made bifaces (including projectile points), formal flake tools, a biface reduction trajectory, and relatively small amounts of processing tools (see also Warren 1968). Despite the unique assemblage composition, the definition of San Dieguito as a separate cultural tradition is hotly debated. Gallegos (1987) suggested that the San Dieguito pattern is simply an inland manifestation of a

broader economic pattern. Gallegos's interpretation of San Dieguito has been widely accepted in recent years, in part because of the difficulty in distinguishing San Dieguito components from other assemblage constituents. In other words, it is easier to ignore San Dieguito as a distinct socioeconomic pattern than it is to draw it out of mixed assemblages.

The large number of finished bifaces (i.e., projectile points and non-projectile blades), along with large numbers of formal flake tools at the Harris site complex, is very different than nearly all other assemblages throughout the region, regardless of age. Warren et al. (2004) made this point, tabulating basic assemblage constituents for key early Holocene sites. Producing finely made bifaces and formal flake tools implies that relatively large amounts of time were spent for tool manufacture. Such a strategy contrasts with the expedient flake-based tools and cobble-core reduction strategy that typifies non-San Dieguito Archaic sites. It can be inferred from the uniquely high degree of San Dieguito assemblage formality that the Harris site complex represents a distinct economic strategy from non-San Dieguito assemblages.

San Dieguito sites are rare in the inland valleys, with one possible candidate, RIV-2798/H, located on the shore of Lake Elsinore. Excavations at Locus B at RIV-2798/H produced a toolkit consisting predominately of flaked stone tools, including crescents, points, and bifaces, and lesser amounts of groundstone tools, among other items (Grenda 1997). A calibrated and reservoir-corrected radiocarbon date from a shell produced a date of 6630 BC. Grenda (1997) suggested this site represents seasonal exploitation of lacustrine resources and small game and resembles coastal San Dieguito assemblages and spatial patterning.

If San Dieguito truly represents a distinct socioeconomic strategy from the non-San Dieguito Archaic processing regime, its rarity implies that it was not only short-lived, but that it was not as economically successful as the Archaic strategy. Such a conclusion would fit with other trends in Southern California deserts, where hunting-related tools were replaced by processing tools during the early Holocene (see Basgall and Hall 1990).

Archaic Period (8000 BC – AD 500)

The more than 2,500-year overlap between the presumed age of Paleoindian occupations and the Archaic period highlights the difficulty in defining a cultural chronology in Southern California. If San Dieguito is the only recognized Paleoindian component in the coastal Southern California, then the dominance of hunting tools implies that it derives from Great Basin adaptive strategies and is not necessarily a local adaptation. Warren et al. (2004) admitted as much, citing strong desert connections with San Dieguito. Thus, the Archaic pattern is the earliest local socioeconomic adaptation in the region (see Hale 2001, 2009).

The Archaic pattern, which has also been termed the Millingstone Horizon (among others), is relatively easy to define with assemblages that consist primarily of processing tools, such as millingstones, handstones, battered cobbles, heavy crude scrapers, incipient flake-based tools, and cobble-core reduction. These assemblages occur in all environments across the region with little variability in tool composition. Low assemblage variability over time and space among Archaic sites has been equated with cultural conservatism (see Basgall and Hall 1990; Byrd and Reddy 2002; Warren 1968; Warren et al. 2004). Despite enormous

amounts of archaeological work at Archaic sites, little change in assemblage composition occurred until the bow and arrow was adopted around AD 500, and ceramics were adopted at approximately the same time (Griset 1996; Hale 2009). Even then, assemblage formality remained low. After the bow was adopted, small arrow points appear in large quantities and already low amounts of formal flake tools are replaced by increasing amounts of expedient flake tools. Similarly, shaped millingstones and handstones decreased in proportion relative to expedient, unshaped ground stone tools (Hale 2009). Thus, the terminus of the Archaic period is equally as hard to define as its beginning because basic assemblage constituents and patterns of manufacturing investment remain stable, complemented only by the addition of the bow and ceramics.

Late Prehistoric Period (AD 500–1769)

The period of time following the Archaic and before Ethnohistoric times (AD 1769) is commonly referred to as the Late Prehistoric (Rogers 1945; Wallace 1955; Warren et al. 2004); however, several other subdivisions continue to be used to describe various shifts in assemblage composition. In general, this period is defined by the addition of arrow points and ceramics, and the widespread use of bedrock mortars. The fundamental Late Prehistoric assemblage is very similar to the Archaic pattern, but includes arrow points and large quantities of fine debitage from producing arrow points, ceramics, and cremations. The appearance of mortars and pestles is difficult to place in time because most mortars are on bedrock surfaces. Some argue that the Ethnohistoric intensive acorn economy extends as far back as AD 500 (Bean and Shipek 1978). However, there is no substantial evidence that reliance on acorns, and the accompanying use of mortars and pestles, occurred before AD 1400. Millingstones and handstones persisted in higher frequencies than mortars and pestles until the last 500 years (Basgall and Hall 1990); even then, weighing the economic significance of millingstone-handstone versus mortar-pestle technology is tenuous due to incomplete information on archaeological assemblages.

2.2 Ethnographic Overview

The history of the Native American communities prior to the mid-1700s has largely been reconstructed through later mission-period and early ethnographic accounts. The first records of the Native American inhabitants of the region come predominantly from European merchants, missionaries, military personnel, and explorers. These brief, and generally peripheral, accounts were prepared with the intent of furthering respective colonial and economic aims and were combined with observations of the landscape. They were not intended to be unbiased accounts regarding the cultural structures and community practices of the newly encountered cultural groups. The establishment of the missions in the region brought more extensive documentation of Native American communities, although these groups did not become the focus of formal and in-depth ethnographic study until the early twentieth century (Bean and Shipek 1978; Boscana 1846; Geiger and Meighan 1976; Harrington 1934; Laylander 2000; Sparkman 1908; White 1963). The principal intent of these researchers was to record the precontact, culturally specific practices, ideologies, and languages that had survived the destabilizing effects of missionization and colonialism. This research, often understood as "salvage ethnography," was driven by the understanding that traditional knowledge was being lost due to the impacts of modernization and cultural assimilation. Alfred Kroeber applied his "memory culture"

approach (Lightfoot 2005: 32) by recording languages and oral histories within the region. Ethnographic research by Dubois, Kroeber, Harrington, Spier, and others during the early twentieth century seemed to indicate that traditional cultural practices and beliefs survived among local Native American communities.

Even though there were many informants for these early ethnographies who were able to provide information from personal experiences about native life before the Europeans, a significantly large proportion of these informants were born after 1850 (Heizer and Nissen 1973); therefore, the documentation of pre-contact, aboriginal culture was being increasingly supplied by individuals born in California after considerable contact with Europeans. As Robert F. Heizer (1978) stated, this is an important issue to note when examining these ethnographies, since considerable culture change had undoubtedly occurred by 1850 among the Native American survivors of California. This is also a particularly important consideration for studies focused on TCRs; where concepts of "cultural resource" and the importance of traditional cultural places are intended to be interpreted based on the values expressed by present-day Native American representatives and may vary from archaeological values (Giacinto 2012).

Based on ethnographic information, it is believed that at least 88 different languages were spoken from Baja California Sur to the southern Oregon state border at the time of Spanish contact (Johnson and Lorenz 2006: 34). The distribution of recorded Native American languages has been dispersed as a geographic mosaic across California through six primary language families (Golla 2007).

Victor Golla has contended that one can interpret the amount of variability within specific language groups as being associated with the relative "time depth" of the speaking populations (Golla 2007: 80) A large amount of variation within the language of a group represents a greater time depth then a group's language with less internal diversity. One method that he has employed is by drawing comparisons with historically documented changes in Germanic and Romantic language groups. Golla (2007: 71) has observed that the "absolute chronology of the internal diversification within a language family" can be correlated with archaeological dates. This type of interpretation is modeled on concepts of genetic drift and gene flows that are associated with migration and population isolation in the biological sciences.

The tribes of this area have traditionally spoken Takic languages that may be assigned to the larger Uto–Aztecan family (Golla 2007: 74). These groups include the Gabrielino, Cahuilla, and Serrano. Golla has interpreted the amount of internal diversity within these language-speaking communities to reflect a time depth of approximately 2,000 years. Other researchers have contended that Takic may have diverged from Uto–Aztecan ca. 2600 BC–AD 1, which was later followed by the diversification within the Takic speaking tribes, occurring approximately 1500 BC–AD 1000 (Laylander 2000).

Gabrielino/Tongva

The archaeological record indicates that the Gabrielino arrived in the Los Angeles Basin around 500 BC Many contemporary Gabrielino identify themselves as descendants of the indigenous people living across the plains of the Los Angeles Basin and adjacent areas and use the native term Tongva to describe themselves (King

1994). This term is used in the remainder of this section to refer to the pre-contact inhabitants of the Los Angeles Basin and their descendants. Surrounding native groups included the Chumash and Tataviam to the northwest, the Serrano and Cahuilla to the northeast, and the Juaneño and Luiseño to the southeast.

The name "Gabrielino" denotes those people who were administered by the Spanish from the San Gabriel Mission, which included people from the Gabrielino area proper as well as other social groups (Bean and Smith 1978; Kroeber 1925). Therefore, in the post-contact period, the name does not necessarily identify a specific ethnic or tribal group. The names by which Native Americans in the area that is now Southern California identified themselves have, for the most part, been lost. Many modern Gabrielino identify themselves as descendants of the indigenous people living across the plains of the Los Angeles Basin and refer to themselves as the Tongva (King 1994). This term is used in the remainder of this section to refer to the pre-Contact inhabitants of the Los Angeles Basin and their descendants.

Tongva lands encompassed the greater Los Angeles Basin and three Channel Islands: San Clemente, San Nicolas, and Santa Catalina. The Tongva established large, permanent villages in the fertile lowlands along rivers and streams, and in sheltered areas along the coast, stretching from the foothills of the San Gabriel Mountains to the Pacific Ocean. A total tribal population has been estimated of at least 5,000 (Bean and Smith 1978), but recent ethnohistoric work suggests a number approaching 10,000 (O'Neil 2002). Houses constructed by the Tongva were large, circular, domed structures made of willow poles thatched with tule that could hold up to 50 people (Bean and Smith 1978). Other structures served as sweathouses, menstrual huts, ceremonial enclosures, and probably communal granaries. Cleared fields for races and games, such as lacrosse and pole throwing, were created adjacent to Tongva villages (McCawley 1996). Archaeological sites composed of villages with various sized structures have been identified.

The largest, and best documented, ethnographic Tongva village in the vicinity was that of *Yanga* (also known as Yaangna, Janga, and Yabit), which was in the vicinity of the downtown Los Angeles, approximately 13 miles northeast of the project site (McCawley 1996:56-57; NEA and King 2004). This village was reportedly first encountered by the Portola expedition in 1769. In 1771, Mission San Gabriel was established. Yanga provided a large number of the recruitments to this mission; however, following the founding of the Pueblo of Los Angeles in 1781, opportunities for local paid work became increasingly common, which had the result of reducing the number of Native American neophytes from the immediately surrounding area (NEA and King 2004). Mission records indicate that 179 Gabrieleno inhabitants of Yanga were recruited to San Gabriel Mission (NEA and King 2004: 104). Based on this information, Yanga may have been the most populated village in the Western Gabrieleno territory.

Another Tongva village documented through archaeological and ethnographic evidence was located near the Ballona wetlands, approximately 10 miles northwest of the project site. This was the village of *Guaspet*, also called *Guaucha* in historical documents (Altschul et al. 2003: 24). The exact location of the village is uncertain but recent archaeological and ethnographic research suggests that it was located in the Ballona Wetland (Altschul et al. 2003: 24). References to Guaspet in baptismal records have indicated that as many as 115

individuals from that village were baptized at Mission San Gabriel between 1788 and 1819. This indicates that the village existed throughout the Mission period and into the Rancho period, which is further supported by evidence of interactions between Tongva and Spanish ranchers associated with Rancho Los Quintos, in the Ballona (Stoll et al. 2009). Evidence supports the idea that the village of Guaspet was abandoned by 1820, as the native way of life and the native habitat was likely adversely affected by ranching in the area, possibly driving people from Guapest to the pueblo and the missions (Stoll et al. 2009).

The Tongva subsistence economy was centered on gathering and hunting. The surrounding environment was rich and varied, and the tribe exploited mountains, foothills, valleys, deserts, riparian, estuarine, and open and rocky coastal eco-niches. Like that of most native Californians, acorns were the staple food (an established industry by the time of the early Intermediate Period). Acorns were supplemented by the roots, leaves, seeds, and fruits of a wide variety of flora (e.g., islay, cactus, yucca, sages, and agave). Fresh water and saltwater fish, shellfish, birds, reptiles, and insects, as well as large and small mammals, were also consumed (Bean and Smith 1978; Kroeber 1925; McCawley 1996).

A wide variety of tools and implements were used by the Tongva to gather and collect food resources. These included the bow and arrow, traps, nets, blinds, throwing sticks and slings, spears, harpoons, and hooks. Groups residing near the ocean used oceangoing plank canoes and tule balsa canoes for fishing, travel, and trade between the mainland and the Channel Islands (McCawley 1996).

Tongva people processed food with a variety of tools, including hammerstones and anvils, mortars and pestles, manos and metates, strainers, leaching baskets and bowls, knives, bone saws, and wooden drying racks. Food was consumed from a variety of vessels. Catalina Island steatite was used to make ollas and cooking vessels (Blackburn 1963; Kroeber 1925; McCawley 1996).

At the time of Spanish contact, the basis of Tongva religious life was the Chinigchinich cult, centered on the last of a series of heroic mythological figures. Chinigchinich gave instruction on laws and institutions, and also taught the people how to dance, the primary religious act for this society. He later withdrew into heaven, where he rewarded the faithful and punished those who disobeyed his laws (Kroeber 1925). The Chinigchinich religion seems to have been relatively new when the Spanish arrived. It was spreading south into the Southern Takic groups even as Christian missions were being built and may represent a mixture of native and Christian belief and practices (McCawley 1996).

Deceased Tongva were either buried or cremated, with inhumation more common on what is now the Channel Islands and the neighboring mainland coast, and cremation predominating on the remainder of the coast and in the interior (Harrington 1942; McCawley 1996). Cremation ashes have been found in archaeological contexts buried within stone bowls and in shell dishes (Ashby and Winterbourne 1966), as well as scattered among broken groundstone implements (Cleland et al. 2007). Archaeological data such as these correspond with ethnographic descriptions of an elaborate mourning ceremony that included a wide variety of offerings, including seeds, stone grinding tools, otter skins, baskets, wood tools, shell beads, bone and shell

ornaments, and projectile points and knives. Offerings varied with the gender and status of the deceased (Johnston 1962; McCawley 1996; Reid 1926). At the behest of the Spanish missionaries, cremation essentially ceased during the post-contact period (McCawley 1996).

2.3 Pre-Incorporation Gardena Valley (1781–1929)

European settlement in the Los Angeles area began in the eighteenth century. In 1781, a group of 11 Mexican families traveled from Mission San Gabriel Arcángel to establish a new pueblo called El Pueblo de la Reyna de Los Angeles (The Pueblo of the Queen of the Angels). This settlement consisted of a small group of adobe brick houses and was called the Ciudad de Los Angeles (City of Angels). Outside of the pueblo were various ranchos where Mexican land grants were awarded to favored friends, acquaintances, and family of Spanish and later Mexican government officials. One such rancho that encompasses the project site was Rancho San Pedro (43,119 acres), awarded to Juan Jose Dominguez in 1784 (Figure 3). The Mexican–American War from 1846 to 1848 ended with Mexico ceding the Alta California lands to the United States, and the quick establishment of land ownership via court orders and surveys soon followed. The County of Los Angeles was established on February 18, 1850, and Ciudad de Los Angeles incorporated on April 4, 1850. Settlement of the Los Angeles region continued in the early American Period. Despite distinctive moves to become more urban, agriculture and cattle ranching retained its importance through the late 1860s and 1870s (Dumke 1944; Fogelson 1993; Leonard and Cost 1934; Roseman et al. 2004).

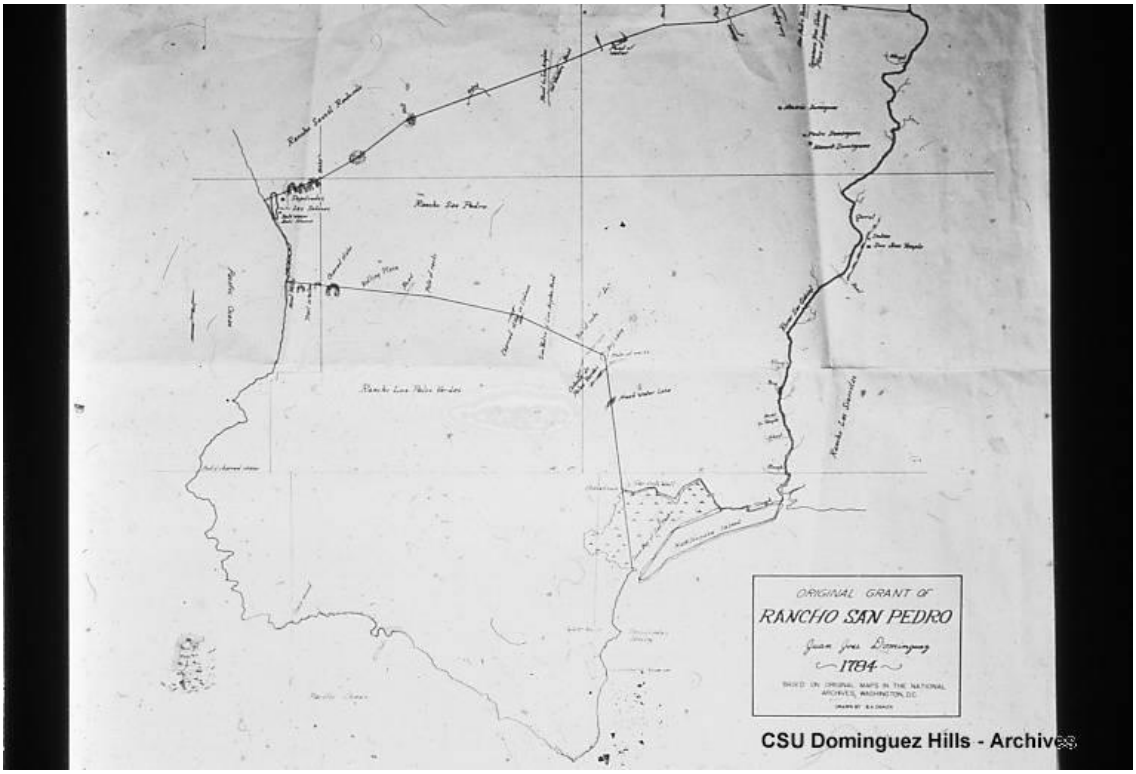


Figure 3. Original Grant of Rancho San Pedro to Juan Jose Dominguez, 1784 (California State University Dominguez Archives)

After the Mexican–American War, the Treaty of Guadalupe Hidalgo provided that the Mexican Land grants would be honored. U.S. officials required that all Mexican land claims be proven before they were patented. Dominguez's heirs successfully patented their father's land claim in 1858 to Rancho San Pedro. Their possession of the entire land claim was short-lived. In 1867, after the American Civil War, Union Army Major General William Starke Rosecrans, bought 16,000 acres of Rancho San Pedro and renamed it the Rosecrans Rancho. The Rosecrans Rancho borders consisted of Crenshaw Boulevard to the west, Florence Avenue to the north, Central Avenue to the east, and Redondo Beach Boulevard to the south. The Rosecrans Rancho was further subdivided in the 1870s for $50 an acre and broken into several distinct parcels. A Basque emigrant named Domingo Amestoy bought 800 acres from Rosecrans in 1875 and established what would later become the village of Strawberry Park. Around 1880, Jim McDonald, a stage driver between San Pedro and Los Angeles, purchased 1,300 acres from Rosecrans, and by 1887, real estate developers began advertising land in the McDonald Tract, south of Amestoy and Rosecrans's lands, anticipating the route of the Los Angeles and Redondo Railway (LA&R) (Figure 4). The McDonald Tract encompassed the lots between 190th Street, Normandie Avenue, Redondo Beach Boulevard, and border of the City of Hawthorne. Because of the Dominguez Slough running through the McDonald tract, centuries of colluvium soil deposits made the surrounding area excellent for farming. The developers originally platted the town center near Figueroa Street, but when the railway came to town, it followed Vermont Avenue instead. Residents shifted their homes and the town core to be closer to Vermont and 166th Street in 1889 (LACL 2019; Leonard and Cost 1934; Osborne 2008a, 2008b, 2008c).

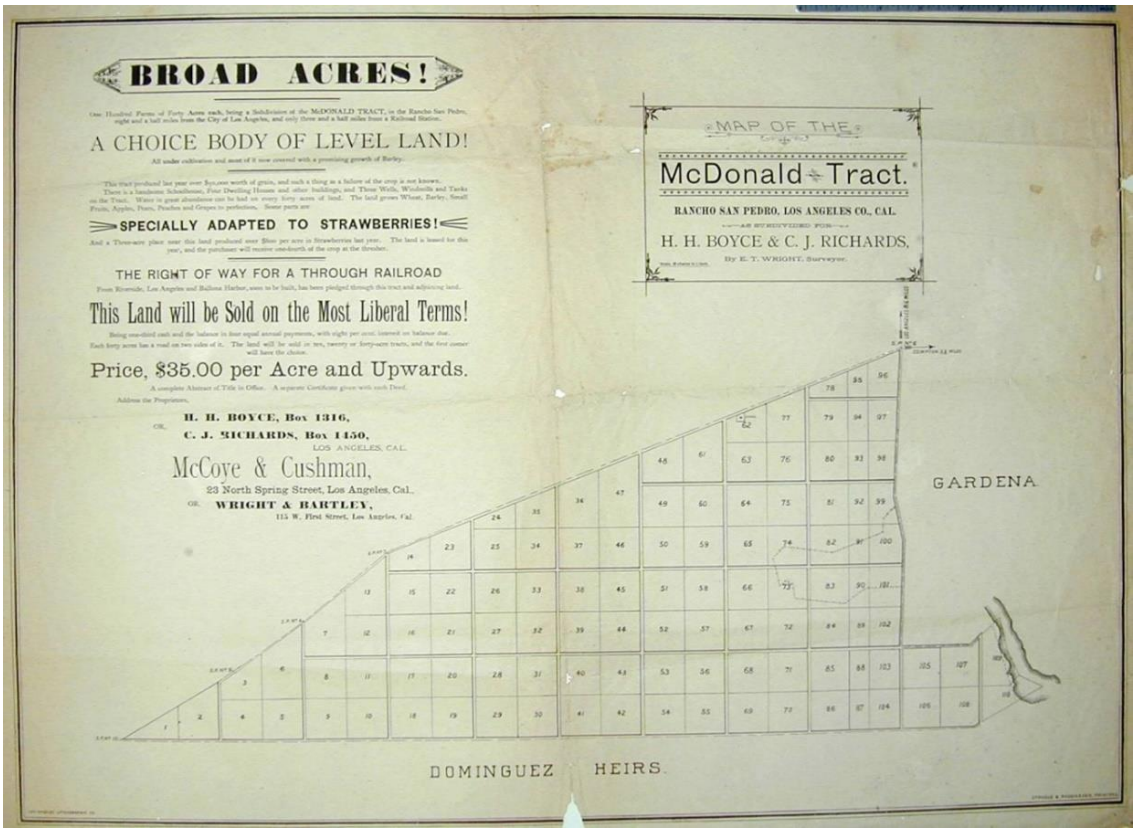


Figure 4. Advertisement for the McDonald Tract, 1887 (Huntington Library Map Collection)

Gardena Valley and the surrounding communities of Moneta, Broad Acres, Rosecrans, and Strawberry Park became locally important berry producers in the late 1890s because of the excellent soil and promotion of the land. By the turn of the twentieth century, the unincorporated town of Gardena had a bustling commercial core main street near the LA&R railway, a grammar school, churches, and several large homes, and was surrounded by berry and melon raising fields, orchards, and alfalfa tracts. Gardena Valley could be easily accessed from Los Angeles and Redondo Beach by two Pacific Electric Railway lines. Its proximity to Los Angeles afforded it extra amenities such as electric lights and telephone service. In 1906, the City of Los Angeles annexed the Shoestring Addition, which ran adjacent to Gardena's eastern border. The investment potential in the proximal arm of the City Los Angeles prompted the conversion of the high school, built just a few years earlier in 1904, into an agricultural high school (Creason 2015; Gardena Reporter 1907; Gnerre 2018a; LACL 2019; LAT 1910).

Gardena Valley and its communities remained largely rural, agricultural producers, even into the twentieth century. From 1890 to 1900, agriculture mostly involved poultry or berry production. Many Chinese and Japanese immigrants moved to the area to raise hundreds of acres of berries for white landowners. The area's success with berry production reached a point where Gardena was known as "Berryland" in the 1910s. Between 1913 and 1917, Gardena held an annual Strawberry Day Festival that rivalled Pasadena's Tournament of Roses and the San Bernardino Orange Show, drawing tens of thousands of people to the festival. With increases in agricultural production, access to water became an issue of concern. Surface wells were dug, but alkaline water at 24 feet deep created a natural hindrance to growth. A nearby artesian well on the old Dominguez Rancho lands was eventually rediscovered and enlarged, and a water company was formed to sell the artesian well water to Gardena (LACL 2019; LAT 1910; Leonard and Cost 1934; Ueda 2017).

The Japanese population grew in Gardena after the 1906 earthquake prompted the migration of Japanese people from San Francisco to the Los Angeles region. In 1907, 253 Japanese residents were recorded in Gardena. From nearly the beginning, Japanese immigrants or Americans of Japanese descent began to take up the difficult agricultural labor in the Gardena area. In 1906, one of the first Japanese organizations, the Moneta Strawberry Growers Association, was founded (Figure 5). This was followed by the Moneta Japanese Institute, founded and built in 1911. In 1916, a Japanese language school was opened. The Japanese population in Gardena waned slightly after two Alien Land Laws were passed in 1913 and 1920, barring first-generation immigrants from owning lands, aimed at the growing Japanese and Chinese emigrant population in California. By 1940, Gardena's Japanese population broke 5%, at 340 of the total 5,509 (LACL 2019; LAT 1911; Ueda 2017).

Figure 5. Japanese Family in a Gardena Strawberry Farm, 1912 (Los Angeles County Library, Mayme Dear Branch)

2.4 City of Gardena (1930–Present)

Gardena and the surrounding towns of Moneta, Western City, and Strawberry Park resisted individual incorporation or annexation to the City of Los Angeles for many years. By 1930, the population of the valley had reached 1,957 with no government except for Los Angeles County services. This situation would have continued undisturbed except for three situations that prompted the incorporation of the city. The first of these was Alondra Park. Part of a civic improvement project for the communities of Redondo Beach, Inglewood, Hawthorne, Torrance, and Gardena, Alondra Park was estimated to cost more than $1.1 million in 1926. Not wishing to assume the tax burden, Redondo Beach, Inglewood, Hawthorne, and Torrance voted to withdraw from the improvement project, leaving unincorporated Gardena to shoulder the entire debt. Gardena Valley residents could not assume the debt and defaulted to the County of Los Angeles, which assumed payments. At the same time, nearby cities were annexing portions of the Gardena Valley, including Long Beach acquiring a large tract in the valley for North Long Beach, and Torrance gaining a large portion of Moneta in 1930. Furthermore, unincorporated Gardena Valley was forced into the Hollywood Palos Verde Highway Assessment District, ceding even more of Gardena to outside interests. The only protection from these threats was incorporation. The Board of Supervisors declared the City of Gardena's incorporation as a

sixth class city in August 1930, and incorporation was approved on November 12, 1930, by all districts except Western City and Lawndale. As a result, the land incorporated stretched from 139th to 180th Street, between Vermont and Arlington Avenues (Figure 6) (Gardena City Clerk 1968; LAT 1930; Leonard and Cost 1934).

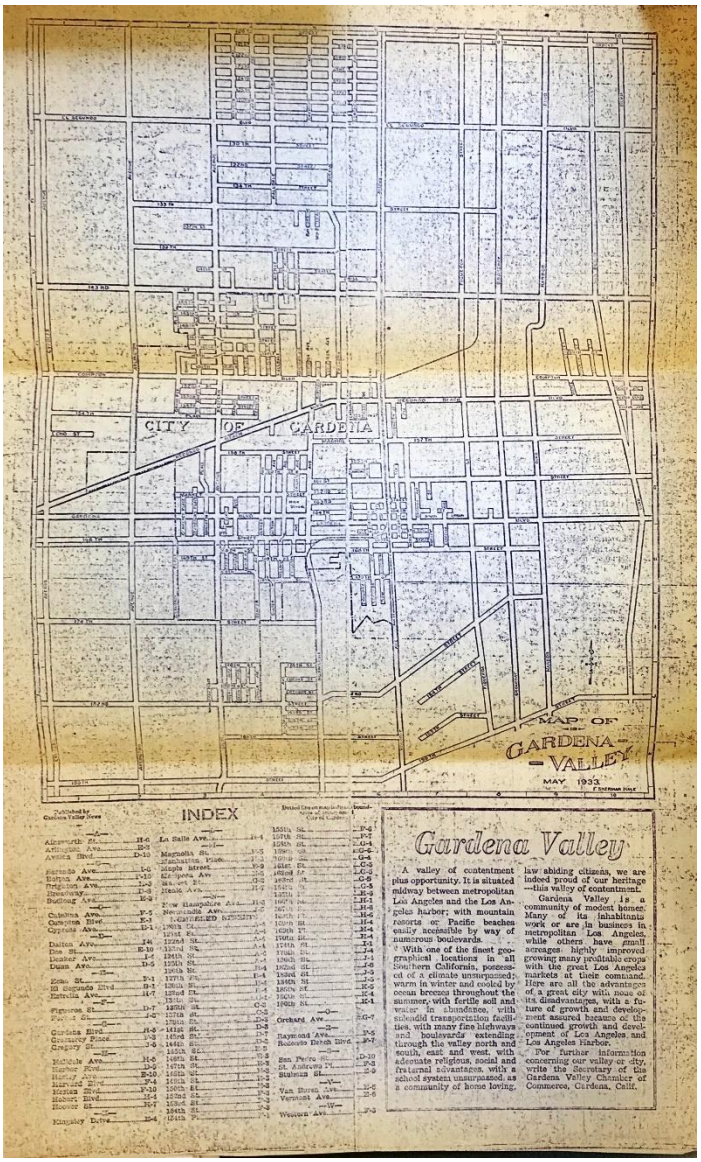


Figure 6. Gardena Valley Map, 1933 (Local History Collection, Los Angeles County Library, Mayme Dear Branch)

In 1936, gaming magnate Ernie Primm started the first card club in Gardena, Embassy Palace. This was based on the assumption that California law did not specifically outlaw poker, which prohibited other types of gambling. This was eventually tested in the California courts, which eventually ruled that poker and gaming were not illegal. Gaming soon became a major attraction to the area, and propelled much of its pre-WWII growth. Two new clubs opened in the 1940s, Western Club (1940) and Normandie Clue (1947). Eventually, six clubs—Normandie, Rainbow, Monterey, Embassy, Gardena, and Horseshoe—would be successful in the

City of Gardena up through the 1960s, despite multiple ballot measures to close them down (Gardena City Clerk 1968; Gnerre 2013; GVN 2001).

Between 1940 and 1950, the population of Gardena nearly tripled from 5,909 to 14,405. Despite its Japanese citizens being forced from the City of Gardena during World War II, many Japanese and their families returned to Gardena after conclusion of the war. The reestablishment of Japanese Americans, mingled with the post-war population boom felt throughout California, meant that Gardena and many other Los Angeles-region suburbs experienced prolific growth in the late 1940s and 1950s. Nightlife also grew. The success of the card clubs established in the 1940s brought other entertainment venues to the small town, including the Carrell Speedway racetrack in 1940, the Vermont Drive-In theater in 1944, Park Theater in 1947, The Hitching Post nightclub in 1951, and The Colony Club burlesque club (ca. 1950) (Brown 2004; Gardena City Clerk 1968; Gnerre 2018b, 2018c).

By act of State Legislature in 1955, all sixth class cities, including Gardena, were reclassified as General Law Cities, meaning Gardena had no charter other than the ordinances and resolutions passed and adopted by the City Council and the State of California. With population growth expanding from 14,405 in 1950 to 35,800 in 1960, this classification was expected. More civic improvements came with the construction of the Harbor Freeway (Interstate 110) in the late 1960s (City of Gardena 1992; Gnerre 2018b).

In the 1950s, the project site along West Artesia Boulevard began to develop in earnest. According to aerial photographs, the agricultural nature of the area diminished in these years, gradually replacing orchards and agricultural fields with commercial and industrial businesses. The historical Dominguez Slough flood plain begins around West Artesia Boulevard, and the 1940s channelization of the slough section likely contributed to development along West Artesia Boulevard. As noted in the aerial photographs taken in 1952 and 1956, the increase in residential subdivision development is unavoidable (Figure 7). By 1960, small-scale commercial-industrial buildings dominated the north side of West Artesia Boulevard on the project site. Residential subdivisions and residential trailer parks are also notably present on the project site. By 1967, all remnants of the agricultural uses in the area had completely given way to commercial, small-scale industrial and residential development on the project site. There are few changes to the project site after 1970. Some of the larger industrial warehouses and plants were exchanged for shopping centers, and many of the single-family homes on major arterial streets were exchanged for multi-family homes (AMI 1967; FAS 1956, 1960; PAI 1952; Tachibana 1981).

Figure 7. Aerial Imagery of Project Site Illustrating Growth, 1952 (left), 1960 (right); West Artesia Horizontal in Middle-Bottom of Photograph; Major Vertical Streets from Left to Right: Gramercy Place (Illinois Street) and Western Avenue (FAS 1960; PAI 1952)

2.5 Sanitation Districts of Los Angeles County

The LACSD was formed in 1923, an outcome of the County Sanitation Act as passed by California State Legislature. The concept was the result of ongoing sewage issues in the growing metropolitan area south of Los Angeles. In the early 1920s when the LACSD was being first considered, more than 500 water companies dispensed in Los Angeles County. Few of the existing sewers and disposal systems were adequate for the growing towns and cities. Rather than solve individual city's sewage problems piecemeal, the County Sanitation Act proposed to make sewerage the jurisdiction of Los Angeles County as a whole, with future growth of the region in mind. In 1923, the Los Angeles County population was already 1,300,000, with 775,000 of those living inside the City of Los Angeles and its 40 incorporated cities. Of the 32 incorporated Los Angeles County cities in the proposed LACSD area, 19 lacked sewer systems and depended entirely on cesspools and septic tank systems for residential and industrial waste. The County Sanitation Act was also formulated with the City of Los Angeles Hyperion disposal and ocean outfall plant in mind, and its ongoing legal issues with discharging sewage into the ocean near the growing upscale communities of Santa Monica and other beachside cities (LAT 1923; Rawn 1965).

The LACSD was proposed in 1924. Los Angeles County Chief Engineer Albert K. Warren established eight districts. Of these eight districts, three failed to authorize elections and were later dissolved, leaving only five sanitation districts in the County of Los Angeles' control. The project site was in District No. 5, which was defined as encompassing Inglewood, Hawthorne Lawndale, Gardena, Torrance, Lomita, and the Palos Verdes Hills. Eventually, the City of Los Angeles' Shoestring Addition was also served by District No. 5. A total of

$10 million in bonds for District No. 5's sewers were approved in 1924, and the sewer construction project began in Inglewood in September 1925. Although there were initial reservations concerning the outfall plant to be placed near Los Angeles Harbor, the matter was approved in hearings by the California State Board of Health in 1926, and finally permitted in 1927. In 1928, the LACSD's main trunk line was completed and connected to the South Bay Cities Sanitation District system (completed in 1926) (LAT 1924, 1925, 1926, 1927a, 1927b, 1928; Rawn 1965).

Overview of Project Buildings

Gardena Pumping Plant (1928), Addition (1960)

According to LACSD records, Assistant Chief Engineer A M Rawn approved the original Gardena Pumping Plant (pumping plant No. 1) in February 1928, although the original designer is unknown. The original pumping plant was designed by County of Los Angeles engineers and approved by A M Rawn and Chief Engineer A.K. Warren (Figure 8). The original designers are not named on the engineering plans (LACSD 1928).

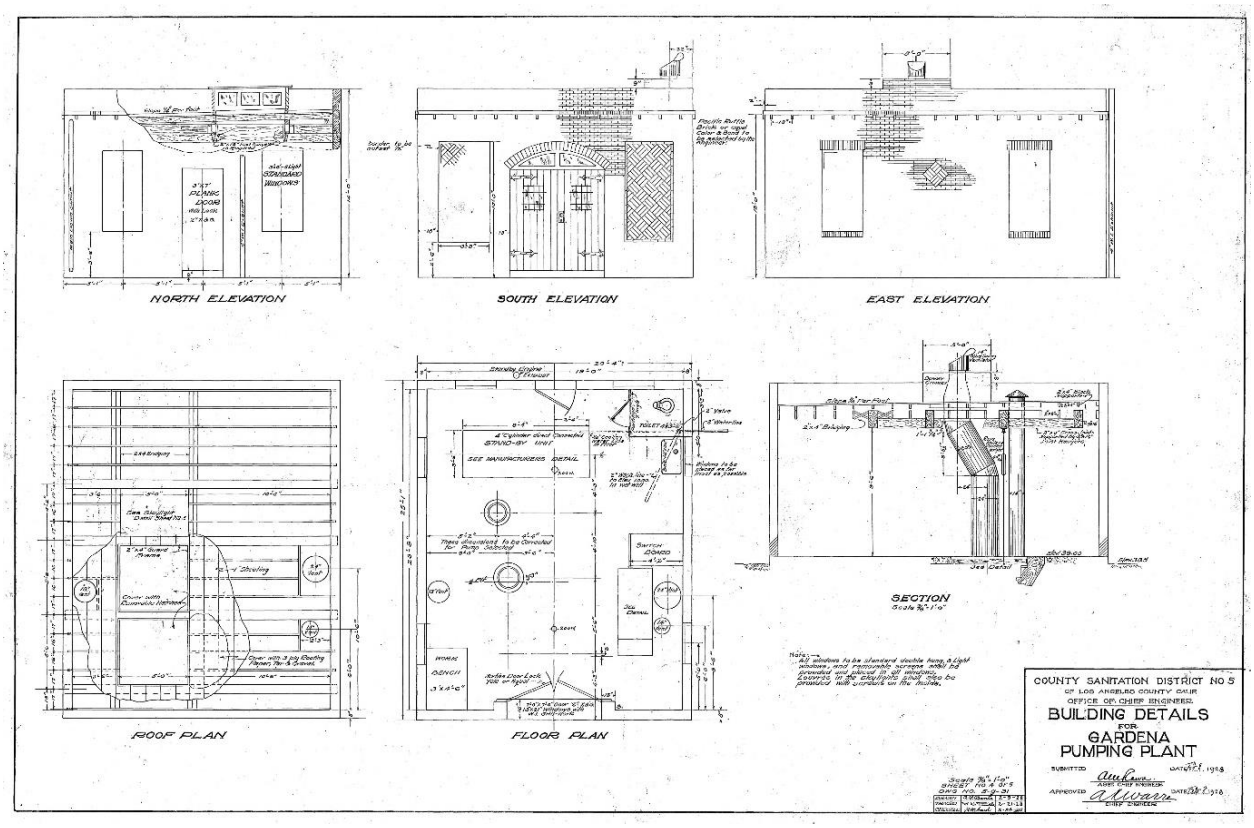


Figure 8. Sheet 5. Building Details for Gardena Pumping Plant, 1928 by A M Rawn (LACSD Records)

In 1960, a second pumping plant was added to the 1928 plant, increasing the pumps from two to four total pumps, likely in response to the increase in Gardena's population from 1,957 in 1930 to 35,800 in 1960.

1923 West Artesia Boulevard (1957)

Permits held by the City of Gardena indicate that 1923 West Artesia Boulevard was constructed between 1957 and 1958. Architectural drawings by H.L. Standefer detail the bowstring truss roof system and Mid-Century Modern concrete and stone veneer front elevation details. The original owner was recorded as Harry Howard. Owners are recorded partially by permits and are outlined below:

- Fred Wifford (1958)
- Aero Missile Products (1959)
- HLW Corporation (1960)
- KAAG Trophy (1963)
- Spherical Products/George Bowen (1967)
- Leone Bower (1995)

1931 West Artesia Boulevard (1954)

Permits held by the City of Gardena indicate that 1931 West Artesia Boulevard was constructed in 1954. Original drawings were not filed with the City of Gardena. The original owner was recorded as Sylvia J. Byrd. Owners are recorded partially by permits and are outlined below:

- John E. Byrd (1957)
- Earl J. Byrd (1978)
- Jim Monda (1985)
- Chong Chi (2003)
- Thinh Duc Hoang (2009)

Engineers/Architects

H.L. Standefer (ca. 1921–?)

Details about H.L. Standefer's life could not be ascertained. According to a few sources such as newspaper articles and copies of *Architect and Engineer*, Standefer typically worked on residential developments or industrial park complexes in the greater Los Angeles area. He maintained offices in Studio City and North Hollywood between 1950 and 1981. A short list of some of Standefer's work was compiled from archival research (IPT 1950; LAT 1964, 1979, 1981; Wilder 1952, 1957, 1958):

- 250-House Residential Development, Torrance, 1950
- Lockheed Employee Activity Building, Burbank, 1952

- Auto Repair Garage, North Hollywood, Los Angeles, 1957
- Concrete Block Machine Shop, Burbank, 1957
- J.B. McGalliard Warehouse, Los Angeles, 1958
- Restaurant and Warehouse, West Los Angeles, 1958
- Aerospace Plant Addition, Stainless Steel Products Inc., Burbank, 1964
- North Hollywood Industrial Park, Los Angeles, 1979
- Industrial Complex, Canoga Park, 1981

2.6 Architectural Styles of the Subject Properties

Brick Commercial (circa 1880–1940)

Brick Commercial buildings are prevalent throughout the entire United States prior to 1940 and were common in California in the post-statehood years through World War II. They are typically brick masonry buildings in free-standing or attached format as part of larger local commercial districts. In the eastern United States they may be taller, but in California, these brick commercial buildings are typically one to three stories. There is no single roof or cladding style, but a parapet typically hides the gabled or flat roof behind it, presenting a unified front elevation, while side and rear elevations lack distinctive decoration. Main elevations may have applied details from popular architectural styles, such as Neo-Classical columns and cornices, or modest geometric Art Deco decoration. The style is wide and encompassing, and includes the following (Longstreth 2000; Sapphos 2009):

- Brick masonry walls
- Attached or freestanding
- Recessed doorway
- "Sign band" between parapet and tops of fenestration
- Rectilinear forms
- Flat roof with parapet

Mid-Century Modern (1933–1965)

Mid-Century Modern style is reflective of International and Bauhaus styles popular in Europe in the early twentieth century. This style and its living designers (e.g., Mies Van der Rohe and Gropius) were disrupted by World War II and moved to the United States. During World War II, the United States established itself as a burgeoning manufacturing and industrial leader, with incredible demand for buildings to reflect modern products in the mid-twentieth century. As a result, many industrial buildings are often "decorated boxes"—plain buildings with applied ornament to suit the era and appear more modern without detracting from the importance of the activity *inside* the building. Following World War II, the United States had a focus on forward thinking, which sparked architectural movements like Mid-Century Modern. Practitioners of the style

were focused on the most cutting-edge materials and techniques. Architects throughout Southern California implemented the design aesthetics made famous by early Modernists like Richard Neutra and Frank Lloyd Wright, who created a variety of modern architectural forms throughout Southern California. Like other buildings of this era, Mid-Century Modern buildings had to be quickly assembled and use modern materials that could be mass-produced (McAlester 2013; Morgan 2004).

Key character-defining features of the Mid-Century Modern style included the following (Gebhard and Winter 2003; McAlester 2013; Morgan 2004):

- Low, boxy, horizontal proportions
- Mass-produced materials
- Flat, smooth sheathing
- Flat-roofed without coping at roof line; flat roofs hidden behind parapets
- Lack of exterior decoration or abstract geometrical motif
- Simple windows (metal or wood)
- Industrially plain doors
- Large window groupings
- Commonly asymmetrical
- Whites, buffs, and pale pastel colors

INTENTIONALLY LEFT BLANK

3 BACKGROUND RESEARCH

3.1 California Historical Resources Information System Records Search

Dudek requested a CHRIS records search from the South Central Coastal Information Center, which houses cultural resources records for Los Angeles County. Dudek received the results on January 14, 2019. The CHRIS search included any previously recorded cultural resources and investigations within a 1-mile radius of the project site. Additional consulted sources included historical maps of the project site; the NRHP; the CRHR; the California Historic Property Data File; and the lists of California State Historical Landmarks, California Points of Historical Interest, and the Archaeological Determinations of Eligibility. Confidential Appendix B provides the confidential results of the records search and a bibliography of prior cultural resources studies.

Previous Technical Studies

Results of the CHRIS search indicate that 27 previously conducted studies (1974 through 2013) were identified within the 1-mile records search radius. One of the studies, LA-10333 overlaps the project site, and one study, LA-10106, is directly adjacent to the southern border of the project site. Both LA-10333 and LA-10106 are discussed below. The remaining 26 studies are outside of the project site. Table 1 briefly summarizes all 27 studies.

Table 1. Previously Conducted Cultural Resources Studies within 1 Mile of Project Site

SCCIC Report No.	Title of Study	Date	Author(s)	Proximity to Project Site
LA-00114	Evaluation of the Archaeological Resources and Potential Impact of Proposed New Freeway Construction on the Harbor Freeway (Rroute 11)	1974	Clewlow, William C. Jr.	Outside
LA-01244	Archaeological Reconnaissance Report of Four Corners Pipeline Relocation ARR	1983	McIntyre, Michael J.	Outside
LA-02904	Draft Report a Phase I Cultural Resources Literature Search for the West Basin Water Reclamation Project	1993	Stickel, Gary E.	Outside
LA-03572	Cultural Resource Investigation for the Proposed Willows Wetland Restoration Project	1997	Unknown	Outside
LA-04644	Cultural Resource Assessment for Pacific Bell Mobile Services Facility La 653-01, County of Los Angeles, California	1999	Duke, Curt	Outside
LA-04759	Cultural Resource Assessment for AT&T Wireless Services Facility R124.1, County of Orange, California	1999	Duke, Curt	Outside

Table 1. Previously Conducted Cultural Resources Studies within 1 Mile of Project Site

SCCIC Report No.	Title of Study	Date	Author(s)	Proximity to Project Site
LA-05499	Negative Archaeological Survey Report to Cold Plane the Existing Pavement on Route 405 and Overlay with 30 mm of Rubberized Asphalt Concrete at Selected On/Off-Ramps from Vermont Ave. to Manchester Blvd.	2000	Smith, Philomene C.	Outside
LA-05966	Cultural Resources Survey for Tujunga Wash	1984	Unknown	Outside
LA-06028	Cultural Resource Assessment AT&T Wireless Services Facility No. 05147 Los Angeles County, California	2002	Duke, Curt	Outside
LA-06236	Highway Project on Route 405 Between Crenshaw Blvd. and Manhattan Beach Blvd. in Torrance and Lawndale in Los Angeles County	2002	Sylvia, Barbara	Outside
LA-06875	Proposed AT&T Wireless Telecommunication Equipment Installation 1601 West 190th Street, Gardena, California 90248, Site ID Number:c796-405 Western Avenue, Geotrans Project Number: l260-680	2001	Bolin, David P.	Outside
LA-07689	Cultural Resources Records Search Results and Site Visit for Sprint Candidate La70xc303f (Gardena Ice Co.) 16526 South Normandie Avenue, Gardena, Los Angeles County, California	2005	Bonner, Wayne H.	Outside
LA-07989	Direct APE Historic Structural Assessment for Cingular Telecommunications Facility Candidate El-049-11 (SCE/Western Torrance) Western Avenue and Artesia Boulevard, Torrance, Los Angeles County, California	2005	Bonner, Wayne H. and Kathleen A. Crawford	Outside
LA-08831	DWO 6036-5410; A.I. No. 6-5008; DSP Leona 12 Kv Project, Los Angeles County	2007	Schmidt, June A.	Outside
LA-08865	Cultural Resources Records Search and Site Visit Results for T-Mobile Candidate La13125a (Artesia/Van Ness Avenue M8-t5 Mesa-Redondo), West 182nd Street, Torrance, Los Angeles County, California	2006	Bonner, Wayne H.	Outside
LA-09184	Cultural Resources Records Search and Site Visit Results for Royal Street Communications LLC Candidate LA2883A (Dynasty SCE), 17414 South Western Avenue, Gardena, Los Angeles County, California	2007	Bonner, Wayne H.	Outside
LA-09219	Cultural Resources Records Search and Site Visit Results for Sprint Nextel Candidate LA60XC310G/CA5565D (Gagne), 2500 Redondo Beach Boulevard, Torrance, Los Angeles County, California	2007	Bonner, Wayne H.	Outside

Table 1. Previously Conducted Cultural Resources Studies within 1 Mile of Project Site

SCCIC Report No.	Title of Study	Date	Author(s)	Proximity to Project Site
LA-10106	Improvements to Artesia Boulevard (State Route 91) in the City of Torrance, Southwestern Los Angeles County	2002	Shepard, Richard S.	Adjacent
LA-10197	Negative Archaeological Survey Report: Erosion Control Measures at Various Locations Between La Cienega and Vermont On/Off Ramps on LA 405	2001	Sriro, Adam	Outside
LA-10238	Cultural Resources Records Search and Site Visit Results for T-Mobile USA Candidate LA33697A (2100 Plaza), 2102 Redondo Beach Boulevard, Torrance, Los Angeles County, California	2009	Bonner, Wayne H.	Outside
LA-10333	A Brief Historic Context Statement Prepared for the General Plan Update: The City of Torrance, Los Angeles County, California	2009	McKenna, Jeanette M.	Overlaps
LA-10438	A Phase I Archaeological Study for the Sage Park Apartments Project, W. 177th Street, S. Budlong Avenue, Normandie Avenue and Gardena High School, City of Gardena, County of Los Angeles, California	2010	Wlodarski, Robert	Outside
LA-10562	Historic Property Survey of Santa Ana Freeway from Route 605 to Washington Blvd. Northbound and from Washington Blvd. to Garfield Southbound	1978	Webb, Lois M., and Gene Huey	Outside
LA-10970	Cultural Resources Records Search and Site Visit Results for AT&T Mobility LLC Candidate EL0049-11 (SCE Western Torrance), 17605 Torrance Avenue, Torrance, Los Angeles County, California	2011	Bonner, Wayne	Outside
LA-11150	West Basin Municipal Water District Harbor/South Bay Water Recycling Project	2003	Maxwell, Pamela	Outside
LA-11716	Seismic Retrofit, Gardena Senior High School, Los Angeles Unified School District	2012	Amaglio, Alessandro	Outside
LA-12461	Cultural Resources Records Search and Site Visit Results for T-Mobile West LLC Candidate LA02550A (M7-T4 Mesa-Redondo 220kV) 17795 Normandie Avenue, Gardena, Los Angeles County, California	2013	Bonner, Wayne, and Crawford, Kathleen	Outside

SCCIC = South Central Coastal Information Center

Report No. LA-10106

Improvements to Artesia Boulevard (State Route 91) in the City of Torrance, Southwestern Los Angeles County (Shepard 2002, see Table 1), reported the results of a 2.5-acre archaeological inventory survey and summarized potential impacts to archaeological resources for a proposed improvements project for Artesia Boulevard in the City of Torrance. Shepard's reported project area encompassed the right-of-way along Artesia Boulevard between

Hawthorne Boulevard to the west and Western Avenue to the east. Shepard's project area ran along the southern boundary of the proposed project site. The records search and field survey yielded no cultural resources or sites associated with Shepard's project area. No other archaeological remains were discovered during the course of that survey.

Report No. LA-10333

A Brief Historic Context Statement Prepared for the General Plan Update: The City of Torrance, Los Angeles County, California (McKenna 2009, see Table 1), is a historic context statement for the City of Torrance, including a brief history of the city and a summary of known cultural resources within the city. The report's project area overlaps the proposed project site, which borders the City of Torrance at Gramercy Street less than 300 feet west of the proposed project site. The report presented a thorough review of the history of the city and a review of the cultural resources identified within the city. No resources were identified within or near the proposed project site as part of the report.

Previously Recorded Cultural Resources

No cultural resources have been previously recorded within the project site. The records search identified four previously recorded cultural resources within a 1-mile radius of the project site (Table 2). Three of the resources are historic built-environment resources—Dominguez Slough (P-19-177369), Gardena High School (P-19-190006), a steel lattice transmission tower (P-19-190646)—and one resource is a historic refuse deposit dating from the 1930s to the 1960s (P-19-004644). None of these resources have been found eligible for listing on the NRHP, CRHR, or local designations).

Table 2. Previously Recorded Cultural Resources within 1 Mile of the Project Site

Primary Number	Trinomial	Period	NRHP/CRHR Status	Year (Recorded By)	Description
P-19-004644	—	Historic	6Z; Found ineligible for NRHP, CRHR, or local designation through survey evaluation.	2015 (Hahlen, Jillian L., Brian F. Smith & Associates Inc.)	Historic refuse deposit related to commercial and residential use of the area between 1930 and 1960
P-19-177369	—	Historic	Not evaluated.	1981 (Unknown)	Dominguez Slough (also known as South Gardena Park Site)
P-19-190006	—	Historic	Not evaluated.	2011 (Campbell, Lex. F, Simpson Gumpertz & Heger Inc.)	Gardena Senior High School
P-19-190646	—	Historic	6Z; Found ineligible for NRHP, CRHR, or local designation through survey evaluation.	2013 (Crawford, K.A., Crawford Historic Services)	Southern California Edison Tower #M7-T4 Mea-Redondo, steel lattice type transmission tower

3.2 NAHC and Native American Correspondence

Dudek contacted the NAHC on behalf of LACSD on January 23, 2019, to request a search of its Sacred Lands File for the project site and surrounding area. The NAHC responded on January 25, 2019, indicating that the search failed to indicate the presence of Native American cultural resources for the project site. However, because negative results do not preclude the presence of Native American cultural resources within the area, the NAHC also suggested contacting Native American groups and/or individuals who may have knowledge of cultural resources in the project area, and provided a list of five such interested parties. On January 29, 2019, Dudek mailed letters to all five individuals listed on the NAHC consultation list (Table 3 and Confidential Appendix B). This outreach was conducted for informational purposes only and did not constitute formal government-to-government consultation as specified by Assembly Bill 52.

Table 3. Native American Heritage Commission–Listed Native American Contacts

Native American Tribal Representatives	Method of Notification/Date	Response Received
Anthony Morales, Chairperson San Gabriel Band of Mission Indians	Certified Mail Sent: January 29, 2019 Delivered: February 1, 2019	None to date
Sandonne Goad, Chairperson Gabrielino-Tongva Nation	Certified Mail Sent: January 29, 2019 Delivered: February 1, 2019	None to date
Robert F. Dorame, Chairperson Gabrielino Tongva Indians of California Tribal Council	Certified Mail Sent: January 29, 2019 Delivered: February 4, 2019	None to date
Charles Alvarez, Council Member Gabrielino Tongva Tribe	Certified Mail Sent: January 29, 2019 Delivered: February 1, 2019	None to date
Andrew Salas, Chairperson Gabrieleno Band of Mission Indians – Kizh Nation	Certified Mail Sent: January 29, 2019 Delivered: February 1, 2019	None to date.

3.3 Building Development Research

Extensive archival research was conducted in support of the historical significance evaluation of the six subject properties. Short descriptions of all research efforts are provided below.

Los Angeles County Sanitation Districts

Dudek requested internal records from LACSD on January 8, 2019. On January 18, 2019, LACSD responded with copies of engineer's drawing sets for the original 1928 building, the 1960 addition, and major alterations in 1970, as well as a daily report book from 1960, a daily report book from 1971–1972, and a copy of A M Rawn's 1965 *Narrative C.S.D* book (Chi Epsilon 2018; Fiala 2003). These records were used in the preparation of the historic context and for the description of surveyed resources.

City of Gardena, City Clerk Office

Dudek staff visited the City of Gardena Community Development Department on January 15, 2019, to pull permits for the three subject properties. These permits were used in preparation of the building descriptions and the historic context for this report (Section 2, Historic Context).

Los Angeles County Library – Mayme Dear Branch

Dudek staff visited the Mayme Dear branch of the Los Angeles County Library, located in the City of Gardena, on January 15, 2019. There, Librarian Wendy Lee and library staff pulled the local history materials and un-accessioned Gardena history materials for review. Dudek staff also reviewed a number of online resources available through the Los Angeles County Library's local history page for Gardena, California. Resources included directories, newspaper clippings, historical narratives, and a photograph collection, which were used in the preparation of the historic context for this report (Section 2).

Los Angeles Public Library

Dudek staff reviewed online resources and tools available through the Los Angeles Public Library website. These tools included accessing digitized Sanborn Maps, online TESSA photo collections, and the *Los Angeles Times* online historical newspaper collections, which were all used in preparation of the historic context for this report (Section 2).

Los Angeles County Office of the Assessor – Property Assessment Information System

Dudek used the Los Angeles County Assessor's Property Assessment Information System to access online assessor records to determine ages for buildings within and adjacent to the project site on January 8, 2019 (LAC Office of the Assessor 2019). Information obtained from the Property Assessment Information System was used to establish a building chronology used in preparation of the historic context (Section 2).

California State University Dominguez Hills Archives and Special Collections

Dudek visited the Archives and Special Collections at California State University, Dominguez Hills on January 9, 2018. There, Dudek reviewed the James H. Osbourne Gardena Photograph Collection, the Gardena Valley Chamber of Commerce Collection, the South Bay History Collection 1923–2005, and the 1981 City of Gardena Historic Resources Survey Report by Judi Tachibana. Resources were used in the development of the City of Gardena portion of this document's historical context (Section 2).

Sanborn Map Review

Sanborn Fire Insurance Company maps for the City of Gardena were available for the years 1908, 1912, and 1929, with an updated 1929 map. The project site is not covered by any of these maps, which only extend as far south as San Pedro Avenue (now 166th Street) and as far west as Illinois Street (now Gramercy Place). Sanborn maps were pulled from the ProQuest "Digital Sanborn Maps 1867–1970" website.

Aerial Photograph Review

Historic aerial photographs were available from Nationwide Environmental Title Research (NETR) for the years 1954, 1963, 1972, 1980, 1994, 2002, 2003, 2004, 2005, 2009, 2010, 2012, and 2014. Additional photographs were available from the Aerial Photograph Collection at the University of California Santa Barbara Map and Imagery Laboratory for the years 1927, 1938, 1941, 1947, 1952, 1956, 1960, 1962, 1967, 1971, 1976, 1979, and 1991 (AMI 1967, 1991; FAS 1927, 1941, 1947, 1956, 1960, 1962; Laval Company 1938; NETR 2019; PAI 1952; Teledyne Geotronics 1971, 1976, 1979).

In the earliest available aerial photographs of the site from 1927, the project site consists of an orchard surrounded by agricultural fields and the Dominguez Slough to the east. Van Ness Avenue, Artesia Boulevard, and Gramercy Place are already established and appear as dirt roads, and Western Avenue appears as a paved, two-lane road. The main corridor of Gardena is to the north along West 166th Street (then Gardena Boulevard), between Western Avenue and Vermont Avenue (FAS 1927).

The large orchard block continues to appear at the location of the Gardena Pumping Plant, but beginning with the 1938 aerial photograph, a single square plan building within a fenced lot is visible in the southeast corner of the orchard plot. It cannot be discerned from the aerial photographs if this is an agriculture-related building or if it is the Gardena Pumping Plant. Between the 1941 and 1947 photographs, the Dominguez Slough was formalized into the concrete-lined Dominguez Channel. From 1938 to 1947, the main area of Gardena between Western and Vermont Avenue along 166th Street began to expand to the east and west with the establishment of residential blocks. The agricultural fields and orchard regions around the project site gave way to residential neighborhoods by the 1947 and 1952 aerial photographs. A large industrial complex is present south of Artesia Boulevard and east of Western Avenue (FAS 1941, 1947; Laval Company 1938; PAI 1952).

Between the 1952 and 1956 aerial photographs, the commercial building at 1931 West Artesia Boulevard, now an E-S Technical Motorsports, appears. Between 1956 and 1960, the building at 1923 West Artesia Boulevard (now Majestic Lighting) appeared, as well as other automotive-commercial establishments west of the project site to Gramercy Place. Between the 1960 and 1962 aerial photographs, the Gardena Pumping Plant addition appears. By this time, residential blocks from Torrance have encroached from the west, and residential blocks and large commercial and industrial buildings begin to appear along Artesia Boulevard, eliminating all of the previously agricultural land from the surrounding area. Between 1956 and 1962, all of the industrial/commercial buildings and the mobile home park located between Artesia Boulevard, Gramercy Place, and the Dominguez Channel appear. There are few changes to the project site or surrounding area after the 1962 aerial photograph (AMI 1967, 1991; FAS 1956, 1960, 1962; NETR 2019; PAI 1952; Teledyne Geotronics 1971, 1976, 1979).

INTENTIONALLY LEFT BLANK

4 FIELD SURVEY

Dudek Architectural Historian Kate G. Kaiser, MSHP, conducted a survey of the project site on January 8, 2019. Ms. Kaiser, Dudek Project Manager Rachel Struglia, Dudek Environmental Analyst Sabrina Alonso, and representatives from the LACSD were given a short tour of the interior of the Gardena Pumping Plant, including the dry wells for the 1928 and 1960 portions of the building. During the survey, Ms. Kaiser surveyed all accessible portions of the buildings that were visible from the public right-of-way, and documented the buildings with detailed notes and photographs, specifically noting character-defining features, important spatial relationships, and any observable alterations to the building. Photographs of the project site were taken with a 16-megapixel Canon PowerShot ELPH180 camera. All field notes, photographs, and records related to this survey are on file at Dudek's Pasadena, California, office.

4.1 Description of Surveyed Resources

The project site is consists of three buildings on the north side of Artesia Boulevard: the Gardena Pumping Plant at 1919 West Artesia Boulevard (APN 4094-007-903), Majestic Lighting building at 1923 West Artesia Boulevard (APN 4094-007-005), and the E-S Technical Motorsports building 1931 West Artesia Boulevard (APN 4094-007-004). All buildings discussed below were constructed more than 45 years ago. California DPR Series 523 Forms were prepared for all built-environment resources and are provided in Appendix C, per Office of Historic Preservation standards (OHP 1995).

Gardena Pumping Plant, 1919 West Artesia Boulevard (APN 4094-007-903)

The Gardena Pumping Plant is a one-story brick pumping plant located in the southwest portion of the City of Gardena (Figure 9). The building is located on a 50-foot by 75-foot lot fronting West Artesia Boulevard among several small-scale automotive and industrial buildings. The building has a rectangular plan with a smaller rectangular addition on its west side, and a flat roof with parapet. The pumping plant resembles the brick commercial-style building seen most commonly in commercial architecture, despite its use as a public utility building. It also has some secondary Neo-Classical-influenced decoration, including common (American) bond brickwork, a decorative header belt course and dentil band below the parapet, an arched entry on the 1928 building, and a basket-weave section of decorative brickwork on the front elevation flanking the door. On the 1960 addition, the header belt course is repeated, but the other decorative elements are lost: the brick bond is stretcher-only, suggesting it is a brick façade over a brick building; the double door only has a flat arch soldier course; and there are no flanking decorative brickwork as with the basket-weave on the 1928 building.

Figure 9. Overview of Main (South) Elevation, with 1928 Original Pumping Plant on right, and 1960 Addition on Left (1/8/2019, IMG_01744)

The main (south) elevation faces West Artesia Boulevard. The south elevation has two clearly defined halves, the 1960 addition (left) and the 1928 original building (right). Both are symmetrically arranged with metal double door in the center of the elevation. The left building (1960) has no other decoration, other than a soldier course flat arch over the door and a belt course below the parapet. The left building brickwork is stretcher bond only, and has a lighter-colored, raked orange brick compared to its 1928 neighbor. There is a small gap between buildings, but this gap is only cosmetic and the buildings clearly share a wall on the interior. The right building (1928) is symmetrical, with two basket-weave brickwork sections flanking the centered double door with an arch, and a belt and dentil course below the parapet. The belt and dentil course is present on all visible elevations of the 1928 building (south, east, north, and visible portion of west). This elevation features common bond, raked, dark red-brown bricks in the 1928 building. The west elevation of the 1960 building features stretcher bond bricks, and continues the belt coursed below the parapet. It has two large, evenly spaced infilled windows with concrete sills, and soldier course flat arches above them. Continuing clockwise around the building, the north (rear) elevation presents as two distinct halves. The left (1928) section protrudes roughly 5 feet farther north than the right (1960) section. The left section has common bond brickwork and two infilled windows flanking a single metal door with a flat arch. The infilled window brickwork clearly does not match the structural brickwork, and appears to be a later repair. The right (1960)

section also has two infilled windows flanking a single metal door, but, like its main elevation, it features stretcher bond bricks and a belt course for its only decoration. The north elevation also has several objects attached to the building exterior, including gutters scuppers for the roof at the parapet line, lights, pipes, utility boxes, and an exhaust fan. The east elevation is only visible for the 1928 building. This elevation features common bond bricks with two infilled windows with concrete sill and flat arch still visible. There is also a single, 12-brick basket-weave pattern in a diamond orientation centered between the two windows.

There are several other structural elements to the Gardena Pumping Plant. Because it is connected to the sewer system, there is an extensive belowground component consisting of a wet well near the front portion of the lot and two dry wells, one under each building, extending 26 feet below the ground level. Access to the dry wells are through the interior. The dry well structures are board-formed concrete in the 1928 building and plywood-formed concrete in the 1960 addition. Access to the wet well is through a cement collar and pressed aluminum metal hatch at the ground level, directly in front of (south) the west portion (1960) of the building. There are several such access points to the wet well on the paved section of lot in front of the building.

Alterations

There were two major and several minor alterations to the Gardena Pumping Plant. The most notable of these is the 1960 addition of a second pumping plant, and a 1971–1972 project to update the plant. In 1960, a second pumping plant was deemed necessary to accommodate the growing demands on the 1928 pumping plant. These alterations included the addition of a below-ground wet and dry well, an above-ground building constructed of brick that shared the west wall of the 1928 pumping plant building and would house two pumps, and electrical equipment sufficient to automate the plant. Contractors involved included Domar Electric, Barney's Drilling Service, Pacific Crane and Rigging, Blue Diamond Steelmen, Asher's Concrete Cutting Co., Rosencrans Construction Co., and Midway Construction Co. LACSD employees completed the remainder of the construction work. Construction of the 1960 pumping plant began on May 31, 1960, and concluded on December 9, 1960 (LACSD 1960) (Permits E3995 and B6518).

In 1972, another major construction project took place at the Gardena Pumping Plant. This involved repaving the blacktop on the lot, installing new electrical transformers, replacing existing electrical conduit into building and dry well, installing a new diesel generator, installing control panels, demolishing the 1928 wet well, creating a new wet well, and removing and replacing the 1928 building main elevation door. Contractors included Jenkin Construction Company, Ashcraft Electric, Barney's Drilling Service, Signal Steel Co., L.A. Door Repair Corp., Amex Paving, and Superior Coatings Paint. Construction of the 1972 alterations began on June 21, 1971, and concluded on October 5, 1972 (LACSD 1972) (Permit B15884).

During the survey, one alteration was observed. Between 1972 and the present, all of the windows on the west, north, and east elevations were infilled with brick. These alterations were not included on any of the permits, plans, or narrative descriptions of other alterations.

Majestic Lighting, 1923 West Artesia Boulevard (APN 4094-007-005)

The Majestic Lighting building at 1923 West Artesia Boulevard is located immediately west of the Gardena Pumping Plant lot. The building, built in 1957, is a one-story Mid-Century Modern Style commercial building located on a 50- by 150-foot lot fronting West Artesia Boulevard, among several small-scale automotive and industrial buildings and the Gardena Pumping Plant (Figure 10). The building features a rectangular plan with no noted additions, and the roof features a rounded, bowstring truss system. Exterior wall cladding on the main elevations features mostly smooth yellow-painted concrete with applied stone veneer around the entrance. Several electric lights are affixed to the main elevation. From left to right, fenestration on the main elevation consists of a multi-lite window in metal frame, a glass double door with glass side-lite, and a gated garage door at the far right side. The only other accessible elevation was the east elevation, which was a painted concrete masonry unit wall with no decoration or fenestration. The roof system features a rounded, bowstring truss system. The building is set back against the rear portion of the lot, facilitating parking in the paved front of the lot. Near the public right-of-way portion of the lot is the majestic lighting sign, rendered yellow and in the shape of a crown with an "M" on it.

Figure 10. Overview of Main (South) Elevation of the Majestic Lighting Building at 1923 West Artesia Boulevard (1/8/2019, IMG_1729)

Alterations

The following alterations were determined from permits, on file at the City of Gardena Community Development Department:

- New building, 1957 (Permit B3201)
- Install 4-hour fire wall, 1958 (Permit B3706)
- Interior addition of commissary and two offices, 1960 (Permit B7226)
- Install air-conditioning unit, 1967 (Permit B126867)
- All new electric, 1967 (Permit E8846)
- Repair fire damage, replace roof structure, 1967 (Permit B12724)
- Replace roofing, 1994 (Permit 6886)

E-S Technical Motorsports, 1931 West Artesia Boulevard (APN 4094-007-004)

The E-S Technical Motorsports building at 1931 West Artesia Boulevard is located west of the Majestic Lighting lot. The building, constructed in 1954, is a one-story Mid-Century Modern style commercial building located on a 50- by 150-foot lot fronting West Artesia Boulevard among several small-scale automotive and industrial buildings, and the Gardena Pumping Plant (Figure 11). The building features a rectangular plan with an addition on the north elevation. The roof system appears flat with a high parapet wall on the front (south) elevation and side elevations. Exterior wall cladding on the main elevation features smooth white concrete, with red trim decoration, with brick trim at the bottom of the wall. A flat awning, trimmed with red, spans the elevation separating the fenestration from the signboard. Fenestration consists of two sets of metal-framed, two-lite display windows and two glass doors with a metal-framed transom. Red-painted gutters and scuppers are visible on the front elevation, one at either end. The sign is a modern metal-framed, LED-lit sign. The entire lot and rear buildings were not visible during the course of survey. The visible portion of the east elevation cladding is red-painted concrete masonry unit blocks with no fenestration. The visible portion of the west elevation is also red-painted concrete masonry unit blocks with two one-over-one sash windows covered with metal security bars. A portion of the east elevation of the rear addition was visible from the public right-of-way, and it is red-painted concrete masonry unit blocks with a white-painted metal roll-up garage door. No other elevations were visible or accessible during the survey. There is some space in the front lot for parking and a signpost, but the signboard at the top is empty.

Figure 11. Overview of 1931 West Artesia Boulevard Looking Northeast (1/8/2019, IMG_1733)

Alterations

Two alterations were determined from permits on file at the City of Gardena Community Development Department: interior renovations in 2003 (Permit M0304-008, B0301-055) and permits to install forced air heating/cooling system (Permit M1912) in 2000. No other alterations were noted during the survey.

5 SIGNIFICANCE EVALUATION

5.1 Gardena Pumping Plant (1928, 1966)

NRHP/CRHR Statement of Significance

In consideration of the project site's history and requisite integrity, the Gardena Pumping Plant is recommended not eligible for listing in the NRHP or CRHR based on the following significance evaluation.

Criterion A/1: Associated with events that have made a significant contribution to the broad patterns of our history.

Archival research identified that the original 1928 Gardena Pumping Plant was likely designed and built during the initial LACSD campaign to build out Sanitation District No. 5 infrastructure, including sewer trunk lines, branch lines, wells, and other pumping stations. District No. 5 was built concurrently with District Nos. 1, 2, 3, 4, and 8. This was part of a Los Angeles County–wide push for sanitation infrastructure in the early twentieth century to accommodate population growth in the proposed sanitation districts and to promote or entice industrial development to establish in Los Angeles County. However, the role of the Gardena Pumping Plant in this campaign is trivial. The subject pumping plant was one of several plants working as part of a larger infrastructure system to keep sewage moving to the outfall plant at White's Point. Moreover, the building has undergone several alterations and a large addition from 1960 that have diminished its integrity and its ability to convey an association with the 1925–1930 Sanitation District infrastructure project. Therefore, the Gardena Pumping Plant does not appear eligible under NRHP/CRHR Criteria A/1.

Criterion B/2: Associated with the lives of persons significant in our past.

Archival research yielded no known associations with important figures in national, state, or local history. Therefore, the Gardena Pump Plant does not appear eligible under NRHP/CRHR Criteria B/2.

Criterion C/3: Embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction.

Gardena Pumping Plant is not a distinctive or remarkable example of the early twentieth century commercial style, and has had several major alterations, including new doors, window infill, and a 1960 addition clearly visible from the main elevation. It retains some minor character-defining features such as the decorative basket-weave brickwork on the 1928 building, and the belt course and dentil band below the parapet. An LACSD engineer designed the Gardena Pumping Plant, but the name of the designer could not be determined from the engineering plans. The building does not possess high artistic value and is not a significant or distinguishable entity. For all of these reasons, the Gardena Pumping Plant does not appear eligible under NRHP/CRHR Criteria C/3.

Criterion D/4: Have yielded, or may be likely to yield, information important in prehistory or history.

There is no evidence to suggest that Gardena Pumping Plant has the potential to yield information important to national, state, or local history, nor is it associated with a known archaeological resource. Therefore, the Gardena Pumping Plant is recommended not eligible under NRHP/CRHR Criterion D/4.

Integrity Discussion

Location: Gardena Pumping Plant is sited on the original location of construction in its original orientation. Therefore, Gardena Pumping Plant retains integrity of location.

Design: Gardena Pumping Plant was subjected to several extensive exterior alterations over time that compromise its integrity of design, including a 1960 addition visible from the main elevation, rendered in a different style with window infill on the west, north, and east elevations; a new door; and arched entry infill for the 1928 building. Therefore, the Gardena Pumping Plant does not retain integrity of design.

Setting: The setting of the Gardena Pumping Plant has changed significantly since the original 1928 building was built, including the slow replacement of orchards and agricultural fields with small-scale industrial and commercial buildings and complete urbanization of the Gardena Valley area. Therefore, Gardena Pumping Plant does not retain integrity of setting.

Materials: Numerous alterations to the Gardena Pumping Plant have compromised the property's material integrity, including a 1960 addition, window infill, and new doors. Even though brick material was used for the 1960 addition and window infill, there has been material loss of all original fenestration. Therefore, Gardena Pumping Plant no longer retains integrity of materials.

Workmanship: Similar to the issue with materials, the physical evidence of a craftsman's skills in constructing the original Gardena Pumping Plant building was compromised by the alterations and additions. Therefore, the Gardena Pumping Plant no longer retains its integrity of workmanship.

Feeling: The Gardena Pumping Plant does not convey the feeling of an early twentieth century utility building, since subsequent alterations and additions negatively affected the building's ability to convey this feeling. Therefore, the Gardena Pumping Plant no longer retains integrity of feeling.

Association: An important historical association between the Gardena Pumping Plant and efforts to introduce comprehensive sewerage throughout Los Angeles County was noted, but subsequent alterations and additions have diminished this historical association. Therefore, the Gardena Pumping Plant no longer retains integrity of association.

In summary, the subject property appears not eligible under all NRHP and CRHR designation criteria. Further, the Gardena Pumping Plant only retains integrity of location, and therefore does not maintain the requisite integrity to warrant listing in the NRHP or CRHR.

5.2 Majestic Lighting, 1923 West Artesia Boulevard (1957)

NRHP/CRHR Statement of Significance

In consideration of the project site's history and requisite integrity, 1923 West Artesia Boulevard is recommended not eligible for listing in the NRHP or CRHR based on the following significance evaluation.

Criterion A/1: Associated with events that have made a significant contribution to the broad patterns of our history.

Archival research did not identify any associations with events that have made a significant contribution to the broad patterns of local or regional history. Neither 1923 West Artesia Boulevard, nor its current tenant Majestic Lighting, is associated with any locally important events in the City of Gardena. Due to a lack of significant associations with events important to history, 1923 West Artesia Boulevard does not appear eligible under NRHP/CRHR Criteria A/1.

Criterion B/2: Associated with the lives of persons significant in our past.

Archival research yielded no known associations with important figures in national, state, or local history. Therefore, 1923 West Artesia Boulevard does not appear eligible under NRHP/CRHR Criteria B/2.

Criterion C/3: Embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction.

1923 West Artesia Boulevard is not a distinctive or remarkable example of the Mid-Century Modern architectural style. H.L. Standefer, the architect listed on the building plans, is not identified as a master architect. Further, the building does not possess high artistic value, and is not eligible as a contributor to a historic district. For all of these reasons, 1923 West Artesia Boulevard does not appear eligible under NRHP/CRHR Criteria C/3.

Criterion D/4: Have yielded, or may be likely to yield, information important in prehistory or history.

There is no evidence to suggest that 1923 West Artesia Boulevard has the potential to yield information important to national, state, or local history, nor is it associated with a known archaeological resource. Therefore, 1923 West Artesia Boulevard is recommended not eligible under NRHP/CRHR Criterion D/4.

Integrity Discussion

Location: 1923 West Artesia Boulevard is sited on the original location of construction in its original orientation. Therefore, 1923 West Artesia Boulevard retains integrity of location.

Design: 1923 West Artesia Boulevard has not had significant, visible alterations over time that have compromised its integrity of design. It has not changed its layout, architectural style, or decoration since it was constructed in 1957. Therefore, 1923 West Artesia Boulevard retains integrity of design.

Setting: The setting of 1923 West Artesia Boulevard remains relatively unchanged since its construction in 1957. The north side of West Artesia Boulevard was populated between 1954 and 1960, and the size, massing, scale, and types of businesses have not changed in subsequent years. Therefore, 1923 West Artesia Boulevard retains integrity of setting.

Materials: 1923 West Artesia Boulevard has not had significant, visible exterior alterations over time that have compromised its integrity of materials. This is corroborated by the list of alterations on file with the City of Gardena's Community Development Department. Therefore, 1923 West Artesia Boulevard retains integrity of materials.

Workmanship: 1923 West Artesia Boulevard has not been altered on the exterior. Evidence of original workmanship, including the stone veneer decoration, are still present. Therefore, 1923 West Artesia Boulevard retains integrity of workmanship.

Feeling: 1923 West Artesia Boulevard retains integrity and still successfully conveys the feeling of being a 1950s Mid-Century Modern small-scale commercial building, and has not experienced significant alterations that would significantly impact the building's ability to convey this feeling. Therefore, the 1923 West Artesia Boulevard retains integrity of feeling.

Association: No important historical associations with events or people were identified for the subject property.

In summary, 1923 West Artesia Boulevard retains integrity, including integrity of location, design, setting, materials, workmanship, and feeling. However, the subject property appears not eligible under all NRHP and CRHR designation criteria for lack of important associations and lack of distinctive characteristics of a style or a master architect.

5.3 E-S Technical Motorsports, 1931 West Artesia Boulevard (1954)

NRHP/CRHR Statement of Significance

In consideration of the project site's history and requisite integrity, 1931 West Artesia Boulevard is recommended not eligible for listing in the NRHP or CRHR based on the following significance evaluation.

Criterion A/1: Associated with events that have made a significant contribution to the broad patterns of our history.

Archival research did not identify any associations with events that have made a significant contribution to the broad patterns of local or regional history. Neither 1931 West Artesia Boulevard, its current tenant E-S

Technical Motorsports, nor previous tenants are associated with any locally important events in the City of Gardena. Due to a lack of significant associations with events important to history, 1931 West Artesia Boulevard does not appear eligible under NRHP/CRHR Criteria A/1.

Criterion B/2: Associated with the lives of persons significant in our past.

Archival research yielded no known associations with important figures in national, state, or local history. Therefore, 1931 West Artesia Boulevard does not appear eligible under NRHP/CRHR Criteria B/2.

Criterion C/3: Embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction.

The building at 1931 West Artesia Boulevard is not a distinctive or remarkable example of the Mid-Century Modern architectural style. The building also does not have an identified architect or a master architect. Further, the building does not possess high artistic value, and is not eligible as a contributor to a historic district. For all of these reasons, 1931 West Artesia Boulevard does not appear eligible under NRHP/CRHR Criteria C/3.

Criterion D/4: Have yielded, or may be likely to yield, information important in prehistory or history.

There is no evidence to suggest that 1931 West Artesia Boulevard has the potential to yield information important to national, state, or local history, nor is it associated with a known archaeological resource. Therefore, 1931 West Artesia Boulevard is recommended not eligible under NRHP/CRHR Criterion D/4.

Integrity Discussion

Location: 1931 West Artesia Boulevard is sited on the original location of construction in its original orientation. Therefore, 1931 West Artesia Boulevard retains integrity of location.

Design: 1931 West Artesia Boulevard has not had significant, visible alterations over time that have compromised its integrity of design. It has not changed its layout, architectural style, or decoration since it was constructed in 1954. Therefore, 1931 West Artesia Boulevard retains integrity of design.

Setting: The setting of 1931 West Artesia Boulevard remains relatively unchanged since its construction in 1954. The north side of West Artesia Boulevard, between Gramercy Place and the Dominguez Channel, was mostly agricultural land before becoming populated with small-scale commercial buildings between 1954 and 1960. The size, massing, scale, and types of businesses have not changed in subsequent years. Therefore, 1931 West Artesia Boulevard retains integrity of setting.

Materials: 1931 West Artesia Boulevard has not had significant, visible exterior alterations over time that have compromised its integrity of materials. This is corroborated by the list of alterations on file with the City of Gardena's Community Development Department. Therefore, 1931 West Artesia Boulevard retains integrity of materials.

Workmanship: 1931 West Artesia Boulevard has not been altered on the exterior. Therefore, 1931 West Artesia Boulevard retains integrity of workmanship.

Feeling: 1931 West Artesia Boulevard still successfully conveys the feeling of being a 1950s Mid-Century Modern small-scale commercial building, and has not experienced significant alterations that would significantly impact the building's ability to convey this feeling. Therefore, 1931 West Artesia Boulevard retains integrity of feeling.

Association: No important historical associations with events or people were identified for 1931 West Artesia Boulevard.

In summary, 1931 West Artesia Boulevard retains integrity, including integrity of location, design, setting, materials, workmanship, and feeling. However, the subject property appears not eligible under all NRHP and CRHR designation criteria for lack of important associations and lack of distinctive characteristics of a style or a master architect.

6 FINDINGS AND RECOMMENDATIONS

6.1 Summary of Findings

As a result of the background research, field survey, and property significance evaluations, the Gardena Pumping Plant, 1923 West Artesia Boulevard, and 1931 West Artesia Boulevard buildings appear not eligible for the NRHP or CRHR due to a lack of significant historical associations, architectural merit, and/or compromised integrity. Therefore, these properties are not considered historical resources for the purposes of CEQA.

No archaeological resources were identified within the project site as a result of the records search or NAHC Sacred Lands File search. Recommendations to reduce unanticipated impacts to archaeological resources and human remains during construction activities are provided below.

6.2 Management Recommendations

Unanticipated Discovery of Archaeological Resources

In the event that archaeological resources (sites, features, or artifacts) are exposed during construction activities for the proposed project, all construction work occurring within 100 feet of the find must immediately stop until a qualified archaeologist, meeting the Secretary of the Interior's Professional Qualification Standards, can evaluate the significance of the find and determine whether or not additional study is warranted. Should it be required, temporary flagging may be installed around a resource to avoid any disturbances from construction equipment. Depending on the significance of the find under CEQA (14 California Code of Regulations Section 15064.5(f); PRC Section 21082), the archaeologist may record the find to appropriate standards (thereby addressing any data potential) and allow work to continue. If the archaeologist observes the discovery to be potentially significant under CEQA, additional treatment may be required.

Unanticipated Discovery of Human Remains

In accordance with California Health and Safety Code Section 7050.5, if potential human remains are found, the lead agency staff and the County Coroner must be immediately notified of the discovery. The coroner would provide a determination within 48 hours of notification. No further excavation or disturbance of the identified material, or any material reasonably suspected to overlie additional remains, can occur until a determination has been made. If the County Coroner determines that the remains are, or are believed to be, Native American, the coroner would notify the NAHC within 24 hours. In accordance with PRC Section 5097.98, the NAHC must immediately notify those persons it believes to be the MLD from the deceased Native American. Within 48 hours of this notification, the MLD would recommend to the lead agency the preferred treatment of the remains and associated grave goods.

INTENTIONALLY LEFT BLANK

7 REFERENCES CITED

Altschul, Jeffre H., Anne Q. Stoll, Donn R. Grenda, and Richard Ciolek-Torrelo. 2003. *At the Base of the Bluff: Archaeological Inventory and Evaluation along Lower Centinela Creek, Marina del Rey, California*. Prepared by Statistical Research, Inc. Prepared for the U.S. Army Corp of Engineers.

AMI (Aerial Map industries). 1967. Aerial Photograph. Flight AMI-LA-67F, Frame 1299. 1:36,000 scale. January 2, 1967. Aerial Photograph Collection, Map and Imagery Laboratory, University of California Santa Barbara. Accessed January 11, 2019. http://mil.library.ucsb.edu/apcatalog/report/report.php?filed_by=AMI-LA-67F.

AMI. 1991. Aerial Photograph. Flight AMI-LA-91, Frame 12691. 1:36,000 scale. October 28, 1991. Aerial Photograph Collection, Map and Imagery Laboratory, University of California Santa Barbara. Accessed January 11, 2019. http://mil.library.ucsb.edu/apcatalog/report/report.php?filed_by=AMI-LA-91.

Andrus, Patrick W., and Rebecca H. Shrimpton. 2002. "How to Apply the National Register Criteria for Evaluation." Bulletin 15. U.S. Department of the Interior, National Park Service. Accessed June 2018. https://www.nps.gov/nr/publications/bulletins/pdfs/nrb15.pdf.

Ashby, G.E., and J.W. Winterbourne. 1966. "A Study of Primitive Man in Orange County and Some of its Coastal Areas." *Pacific Coast Archaeological Society Quarterly* 2(1):3-52.

Basgall, M.E., L. Johnson, and M. Hale. 2002. *An Evaluation of Four Archaeological Sites in the Lead Mountain Training Area, Marine Corps Air Ground Combat Center, Twentynine Palms, California*. Submitted to U.S. Army Corps of Engineers, Fort Worth, Texas.

Basgall, M.E., and M. Hall. 1990. *Adaptive Variation in the North-Central Mojave Desert*. Paper Presented at the 55th Annual Meeting of the Society for American Archaeology, Las Vegas.

Bean, Lowell, J., and Florence C. Shipek, 1978. "Luiseño," in *California*, Robert F. Hazier (ed.), pp. 550–563, *Handbook of North American Indians*, Vol. 8, W.C. Sturtevant (general editor), Smithsonian Institution, Washington, D.C.

Bean, L.J., and C.R. Smith. 1978. "Gabrielino." In *California*, edited by R.F. Heizer, 538–549. *Handbook of North American Indians*, Vol. 8, W.G. Sturtevant, general editor, Smithsonian Institution, Washington, D.C.

Blackburn, Thomas. 1963. *Ethnohistoric Descriptions of Gabrielino Material Culture*. Annual Report, Archaeological Survey. University of California, Los Angeles.

Boscana, G. 1846. "Chinigchinich; A Historical Account of the Origin, Customs, and Traditions of the Indians at the Missionary Establishment of St. Juan Capistrano, Alta California." In *Life in California*, by Alfred Robinson, 227–341. New York, New York: Wiley & Putnam.

Brown, Stephanie. 2004. "The Garden of Their Soul." *View* (Winter 2014). Carson, CA: California State University Dominguez Hills, pgs. 13–15.

Byrd, Brian F., and Seetha N. Reddy, 2002. Late Holocene Adaptations along the Northern San Diego Coastline: New Perspectives on Old Paradigms. In *Catalysts to Complexity: Late Holocene Societies of the California Coast*, edited by Jon M. Erlandson and Terry L. Jones, pp. 41-62. Cotsen Institute of Archaeology, University of California, Los Angeles.

Chi Epsilon. 2018. "Biography: A M Rawn." Accessed January 30, 2019. https://www.chi-epsilon.org/xewebgeneral2/About/NHMBio.aspx?MemberId=28.

City of Gardena. 1992. *Guide to the All-American City*. Gardena, CA: Gardena City Hall. On file at the Los Angeles County Library, Mayme Dear Branch.

City of Gardena. 2006. *Gardena General Plan, Community Resources Element, Conservation Plan.*

Cleland, J.H., A.L. York, and L.M. Willey. 2007. *Piecing Together the Prehistory of Landing Hill: A Place Remembered.* EDAW Cultural Publications No. 3. EDAW Inc., San Diego.

Creason, Glen. 2015. "CityDig: How Los Angeles Annexed the Port on a Shoestring." *LAMag*, September 23, 2015. Accessed January 14, 2019. https://www.lamag.com/citythinkblog/citydig-how-los-angeles-annexed-the-port-on-a-shoestring/.

Davis, E.L. 1978. *The Ancient Californians: Rancholabrean Hunters of the Mojave Lakes Country*. Los Angeles, California: Natural History Museum of Los Angeles County.

Dumke, G.S. 1944. *The Boom of the Eighties in Southern California.* San Marino, California: Huntington Library Publications.

FAS (Fairchild Aerial Survey). 1927. Aerial Photograph. Flight C-300, Frame M-69. 1:18,000 scale. December 31, 1927. Aerial Photograph Collection, Map and Imagery Laboratory, University of California Santa Barbara. Accessed January 8, 2019. http://mil.library.ucsb.edu/apcatalog/report/report.php?filed_by=C-300.

FAS. 1941. Aerial Photograph. Flight C-7347, Frame 45. 1:12,000 scale. August 21, 1941. Aerial Photograph Collection, Map and Imagery Laboratory, University of California Santa Barbara. Accessed January 10, 2019. http://mil.library.ucsb.edu/apcatalog/report/report.php?filed_by=C-7347.

FAS. 1947. Aerial Photograph. Flight C-11351, Frame 10-60. 1:24,000 scale. April 30, 1947. Aerial Photograph Collection, Map and Imagery Laboratory, University of California Santa Barbara. Accessed January 10, 2019. http://mil.library.ucsb.edu/apcatalog/report/report.php?filed_by=C-11351.

FAS. 1956. Aerial Photograph. Flight C-22555, Frame 23-24. 1:14,400 scale. July 15, 1956. Aerial Photograph Collection, Map and Imagery Laboratory, University of California Santa Barbara. Accessed January 10, 2019. http://mil.library.ucsb.edu/apcatalog/report/report.php?filed_by=C-22555.

FAS. 1960. Aerial Photograph. Flight C-23870, Frame 627. 1:14,400 scale. April 30, 1960. Aerial Photograph Collection, Map and Imagery Laboratory, University of California Santa Barbara. Accessed January 10, 2019. http://mil.library.ucsb.edu/apcatalog/report/report.php?filed_by=C-23870.

FAS. 1962. Aerial Photograph. Flight C-24400, Frame 9-201. 1:12,000 scale. November 30, 1962. Aerial Photograph Collection, Map and Imagery Laboratory, University of California Santa Barbara. Accessed January 10, 2019. http://mil.library.ucsb.edu/apcatalog/report/report.php?filed_by=C-24400.

Fiala, Josh. 2003. "Finding Aid for the A.M. Rawn Papers, ca 1940–1968." Accessed January 30, 2019. http://pdf.oac.cdlib.org/pdf/ucla/mss/rawn1045.pdf.

Fogelson, R.M. 1993. *The Fragmented Metropolis: Los Angeles, 1850–1930*. Second ed. Los Angeles, CA: University of California Press.

Gallegos, D.R. 1987. *San Dieguito-La Jolla: Chronology and Controversy*. San Diego County Archaeological Society, Research Paper No. 1.

Gardena City Clerk. 1968. *Summary of Election Results City of Gardena from 1930*. Gardena, CA: City of Gardena. On file at the Los Angeles County Library, Mayme Dear Branch.

Gardena Heritage Committee. 2006. *Images of American: Gardena*. Charleston, SC: Arcadia Publishing.

Gardena Reporter. 1907. *Gardena, California.* Gardena, CA: Gardena Reporter Printer. Held by the Library of Congress. Accessed January 14, 2019. https://ia802604.us.archive.org/27/items/gardenacaliforni00gard/gardenacaliforni00gard.pdf.

Gebhard, D., and R. Winter. 2003. *An Architectural Guidebook to Los Angeles*. Layton, Utah: Gibbs Smith Publishing.

Geiger, M., and C. W. Meighan. 1976. *As the Padres Saw Them: California Indian Life and Customs as Reported by the Franciscan Missionaries, 1813–1815*. Santa Barbara, California: Santa Barbara Mission Archive Library.

Giacinto, Adam 2012. *Emergent Trends of Cultural Resource Management: Alternative Conceptions of Past, Present and Place.* M.A. Thesis in Anthropology, San Diego State University.

Gnerre, Sam. 2013. "How Gardena Became Home to Legalized Card Clubs." *South Bay History*. June 28, 2013. Accessed January 28, 2019. http://blogs.dailybreeze.com/history/2013/06/28/how-gardena-become-home-to-legalized-card-clubs/.

Gnerre. 2018a. "This History of Gardena High and its Unusual Art Collection." *South Bay History*. June 2, 2018. Accessed January 14, 2019. http://blogs.dailybreeze.com/history/2018/06/02/the-history-of-gardena-high-and-its-unusual-art-collection/.

Gnerre. 2018b. "In its heyday, Gardena's Bal Tabarin brought exotic entertainment to South Bay." *South Bay History*. January 20, 2018. Accessed January 29, 2019. http://blogs.dailybreeze.com/history/2018/01/20/in-its-heyday-gardenas-bal-tabarin-brought-exotic-entertainment-to-the-south-bay/.

Gnerre. 2018c. "Relocation During World War II Changed Everything for Japanese Americans." *South Bay History*. October 13, 2018. Accessed January 29, 2019. http://blogs.dailybreeze.com/history/2018/10/13/relocation-during-world-war-ii-changed-everything-for-japanese-americans/.

Golla, V. 2007. "Linguistic Prehistory." In *California Prehistory: Colonization, Culture, and Complexity*, edited by T.L. Jones and K.A. Klar, 71–82. New York, New York: Altamira Press.

Grenda, D.R. 1997. "Continuity and Change: 8,500 Years of Lacustrine Adaptation on the Shores of Lake Elsinore." Statistical Research Technical Series No. 59. Statistical Research, Inc., Tucson, Arizona.

Griset, Suzanne. 1996. *Southern California Brown Ware.* Dissertation. Davis, CA: University of California Davis.

GVN (Gardena Valley News). 2001. "Luck and Skill Kept Early gambling Houses out of Hot Water." *Gardena Valley News*, March 29, 2001, pg. A-4. On file at the Los Angeles County Library, Mayme Dear Branch.

Hale, M. 2001. *Technological Organization of the Millingstone Pattern in Southern California*. Master's thesis; California State University, Sacramento.

Hale, M. 2009. *San Diego and Santa Barbara: Socioeconomic Divergence in Southern California*. PhD dissertation; University of California, Davis.

Harrington, J.P. 1934. "A New Original Version of Boscana's Historical Account of the San Juan Capistrano Indians of Southern California." Smithsonian Miscellaneous Collections 92(4).

Harrington, J.P. 1942. "Culture Element Distributions: XIX, Central California Coast." *Anthropological Records* 7:1. University of California Press: Berkeley.

Hector, S.M. 1985. *Late Prehistoric Hunter-Gatherer Activities in Southern San Diego County, California*. PhD Thesis in the Department of Anthropology, University of California, Los Angeles.

Heizer, R. 1978. "Introduction." In *California*, edited by R.F. Heizer, 1–6. *Handbook of North American Indians*, Vol. 8, edited by W.C. Sturtevant. Washington, D.C.: Smithsonian Institution.

Heizer, R., and K.M. Nissen. 1973. *The Human Sources of California Ethnography*. Berkeley, California: University of California Archaeological Research Facility, Berkeley.

IPT (Independent Press-Telegram). 1950. "500 New Homes West of L.B." Newspapers.com: *Independent Press-Telegram*. July 9, 1950, pg. 11.

Johnson, John R., and Jospeh G. Lorenz. 2006. "Genetics, Linguistics, and Prehistoric Migrations: An Analysis of California Indian Mitochondrial DNA Lineages." *Journal of California and Great Basin Anthropology*, Volume 26 (1), pp. 33–64.

Johnston, B.E. 1962. *California's Gabrielino Indians*. Frederick Webb Hodge Anniversary Publication Fund 8, Southwest Museum, Los Angeles.

King, C.D. 1994. *Native American Placenames in the Santa Monica Mountains National Recreation Area, Agoura Hills*. Topanga Anthropological Consultants, California.

Kroeber, A. 1925. *Handbook of the Indians of California*. Washington, D.C.: Smithsonian Institution.

LAC Office of the Assessor. 2019. "Property Assessment Information System (PAIS)." Accessed January 8, 2019. http://maps.assessor.lacounty.gov/GVH_2_2/Index.html?configBase=http://maps.assessor.lacounty.gov/Geocortex/Essentials/REST/sites/PAIS/viewers/PAIS_hv/virtualdirectory/Resources/Config/Default.

LACL (Los Angeles County Library). 2019. "Gardena Community History." Accessed January 10, 2019. https://lacountylibrary.org/gardena-local-history/.

LACSD (Sanitation District of Los Angeles County). 1928. Drawing Set: Gardena Pumping Plant. On file with the LACSD.

LACSD. 1960. Construction Daily Report Book: Gardena Pump Plant No. 2. Contract 1332. Unpublished internal report.

LACSD. 1972. Construction Daily Report Book: Gardena P.P. Revision. Contract 1972. Unpublished internal report.

LAT (Los Angeles Times). 1910. "Homeseekers Located in Gardena." Newspapers.com: *Los Angeles Times*. August 21, 1910, pg. 6.

LAT. 1911. "Many Japanese Are Employed." ProQuest Historical Newspapers 1881–1976: *Los Angeles Times*. May 9, 1911, pg. 114.

LAT. 1923. "Here, In Brief, Are all of the Four Hundred and Seventy-nine New California Laws." Newspapers.com: *Los Angeles Times*. July 1, 1923, pg. 22.

LAT. 1924. "Sewage System Work Begins at Inglewood Soon." Newspapers.com: *Los Angeles Times*. June 15, 1924, pg. 88.

LAT. 1925. "Group Offers Sewer Issues." Newspapers.com: *Los Angeles Times*. April 2, 1925, pg. 11.

LAT. 1926. "Final Hearing on Sewer Set." Newspapers.com: *Los Angeles Times*. May 31, 1926, pg. 19.

LAT. 1927a. "Outfall Sewer Permit Given By State Board." Newspapers.com: *Los Angeles Times*. April 3, 1927, pg. 3.

LAT. 1927b. "Contract Let for $232,000." Newspapers.com: *Los Angeles Times*. September 25, 1927.

LAT. 1928. "County Speeds Mammoth Engineering Projects." Newspapers.com: *Los Angeles Times*. September 16, 1928, pg. 73–74.

LAT. 1930. "Special Election Set." ProQuest Historical Newspapers 1881–1976: *Los Angeles Times*. August 4, 1930, pg. 6.

LAT. 1964. "Plant Completes 1st Phase in Expansion." Newspapers.com: *Los Angeles Times*. July 12, 1964, pg. 133.

LAT. 1979. "Industry Park Ready." Newspapers.com: *Los Angeles Times*. April 29, 1979, pg. 127.

LAT. 1981. "Twin Buildings Added to Canoga Park Area." Newspapers.com: *Los Angeles Times*. October 25, 1981, pg. 138.

Laval Company Inc. 1938. Flight AXJ-1938, Frame 58-52. 1:20,000 scale. May 22, 1938. Aerial Photograph Collection, Map and Imagery Laboratory, University of California Santa Barbara. Accessed January 10, 2019. http://mil.library.ucsb.edu/apcatalog/report/report.php?filed_by=AXJ-1938.

Laylander, D. 2000. *Early Ethnography of the Californias, 1533–1825*. Salinas, California: Coyote Press Archives of California Prehistory.

Leonard, Olive Hensel, and Emily D. Cost. 1934. "A Short History of Gardena Valley." Unpublished. On file at the Los Angeles County Library, Mayme Dear Branch.

Lightfoot, K.G. 2005. *Indians, Missionaries, and Merchants: The Legacy of Colonial Encounters on the California Frontiers*. Berkeley, California: University of California Press.

Longstreth, Richard. 2000. *The Buildings of Main Street: A Guide to American Commercial Architecture*. Walnut Creek, CA: AltaMira Press.

McAlester, V.S. 2013. *A Field Guide to American Houses (Revised): The Definitive Guide to Identifying and Understanding America's Domestic Architecture*. New York City, New York: Alfred A Knopf.

McCawley, W. 1996. *The First Angelinos: The Gabrielino Indians of Los Angeles*. Banning California: Malki Museum Press; and Novato, California: Ballena Press.

Morgan, W. 2004. *The Abrams Guide to American House Styles*. New York City, New York: Harry N Abrams Inc.

NEA (Northwest Economic Associates) and Chester King. 2004. *Ethnographic Overview of the Angeles National Forest: Tataviam and San Gabriel Mountain Serrano Ethnohistory*. Prepared for the U.S. Department of Agriculture.

NETR (Nationwide Environmental Title Research LLC). 2019. Historic aerial photographs of 1505 North Edgemont Street dating from 1952, 1963, 1972, 1980, 1994, 2002, 2003, 2004, 2005, 2009, 2010, 2012, and 2014. Accessed January 11, 2019. https://www.historicaerials.com/viewer.

OHP (Office of Historic Preservation). 1995. "Instructions for Recording Historical Resources." California State Parks, Office of Historic Preservation. March 1995. http://ohp.parks.ca.gov/pages/1054/files/manual95.pdf.

O'Neil, S. 2002. *The Acjachemen in the Franciscan Mission System: Demographic Collapse and Social Change*. Master's thesis, Department of Anthropology, California State University, Fullerton.

Osborne, James. 2008a. "Gen. William Starke Rosecrans: Another Chapter." *Gardena Valley News*. August 14, 2008, pg. 9. Accessed January 14, 2019. http://www.cityofgardena.org/wp-content/uploads/2016/04/gvn81408.pdf.

Osborne, J. 2008b. "Gardena's Growth: From Ranches to Schools." *Gardena Valley News*. August 21, 2008, pg. 13. Accessed January 14, 2019. http://www.cityofgardena.org/wp-content/uploads/2016/04/gvn-82108.pdf.

Osborne, J. 2008c. "Abram Pomeroy: Gardena's True Founder Assumes His Rightful Place In History." *Gardena Valley News*. August 28, 2008, pg. 13. Accessed January 14, 2019. http://www.cityofgardena.org/wp-content/uploads/2016/04/gvn-82708.pdf.

PAI (Pacific Air Industries). 1952. Flight AXJ-1952, Frame 7K-159. 1:20,000 scale. November 2, 1952. Aerial Photograph Collection, Map and Imagery Laboratory, University of California Santa Barbara. Accessed January 10, 2019. http://mil.library.ucsb.edu/apcatalog/report/report.php?filed_by=AXJ-1952.

Rawn. A M 1965. *Narrative C.S.D.* Los Angeles, CA: County Sanitation Districts of Los Angeles County.

Reid, H. 1926. *The Indians of Los Angeles County*. Privately printed, Los Angeles.

Rogers, M.J. 1945. "An Outline of Yuman Prehistory." *Southwestern Journal of Anthropology* 1:167–198.

Roseman, Curtis C., Ruth Wallach, Dace Taubve, Linda McCann, and Geoffrey DeVerteuil. 2004. *Images of America: The Historic Core of Los Angeles*. Charleston, SC: Arcadia Publishing.

Sapphos. 2009. *City of Long Beach Historic Context Statement*. Prepared for City of Long Beach. Accessed February 20, 2019. https://www.laconservancy.org/sites/default/files/files/issues/2009%20historic%20context%20for%20city.pdf.

Sparkman, Philip S. 1908. "The Culture of the Luiseño Indians." *American Archaeology and Ethnology*. Volume 8 (4), pp. 187–234.

Stoll, Anne Q., John G. Douglass, and Richard Ciolek Torrelo. 2009. Searching for Guaspet: A Mission Period Rancheria in West Los Angeles. SCA Proceedings, Volume 22.

Tachibana, Judi. 1981. *Gardena Historical Resource Survey Report.* Gardena, CA: City of Gardena. Archives and Special Collections, CSU Dominguez Hills L.F. Cain Library.

Teledyne Geotronics. 1971. Aerial Photograph. Flight TG-2755, Frame 2-22. 1:10,400 scale. March 17, 1971. Aerial Photograph Collection, Map and Imagery Laboratory, University of California Santa Barbara. Accessed January 10, 2019. http://mil.library.ucsb.edu/apcatalog/report/report.php?filed_by=TG-2755.

Teledyne Geotronics. 1976. Aerial Photograph. Flight TG-7600, Frame 5-20. 1:24,000 scale. January 31, 1976. Aerial Photograph Collection, Map and Imagery Laboratory, University of California Santa Barbara. Accessed January 10, 2019. http://mil.library.ucsb.edu/apcatalog/report/report.php?filed_by=TG-7600.

Teledyne Geotronics. 1979. Aerial Photograph. Flight TG-3800, Frame 16-16. 1:24,000 scale. November 15, 1979. Aerial Photograph Collection, Map and Imagery Laboratory, University of California Santa Barbara. Accessed January 10, 2019. http://mil.library.ucsb.edu/apcatalog/report/report.php?filed_by=TG-3800.

Ueda, Reed, ed. 2017. *American's Changing Neighborhoods: An Exploration of Diversity though Places.* Santa Barbara, CA: Greenwood.

Wallace, W. 1955. "Suggested Chronology for Southern California Coastal Archaeology." *Southwestern Journal of Anthropology* 11:214–230.

Warren, C.N. 1968. "Cultural Tradition and Ecological Adaptation on the Southern California Coast." In *Archaic Prehistory in the Western United States*, edited by C. Irwin-Williams, 1-14. Portales, New Mexico: Eastern New Mexico University Contributions in Anthropology No. 1.

Warren, C.N., G. Siegler, and F. Dittmer. 2004. "Paleoindian and Early Archaic Periods." In *Prehistoric and Historic Archaeology of Metropolitan San Diego: A Historic Properties Background Study*. Prepared for the Metropolitan Wastewater Department, City of San Diego. Encinitas, California: ASM Affiliates.

White, Raymond. 1963. Luiseño Social Organization. *University of California Publications in American Archaeology and Ethnology* 48:91-194. Berkeley.

Wilder, Edwin. H., ed. 1952. "Construction Contracts Awarded." *Architect and Engineer*, Volumes 188–191. Accessed January 29, 2019. https://archive.org/details/architectenginee18852sanf/page/n284.

Wilder, E., ed. 1957. "Construction Contracts Awarded." *Architect and Engineer*, Volumes 208–211. Accessed January 29, 2019. https://archive.org/details/architectenginee20857sanf/page/n469.

Wilder, E., ed. 1958. "Construction Contracts Awarded." *Architect and Engineer*, Volumes 212–215. Accessed January 29, 2019. https://archive.org/details/architectenginee21258sanf/page/n255.

INTENTIONALLY LEFT BLANK

APPENDIX A

Preparers' Qualifications

Kate Kaiser, MSHP

Architectural Historian

Kate Kaiser is an architectural historian with 7 years' professional experience as a cultural resource manager specializing in California Environmental Quality Act (CEQA) compliance, National Historic Preservation Act Section 106 compliance, reconnaissance and intensive level surveys, archival research, cultural landscapes, and GIS. Ms. Kaiser meets the Secretary of the Interior's Professional Qualification Standards for both architectural history and archaeology.

In addition, Ms. Kaiser has worked as an archaeological technician for the National Park Service and USDA Forest Service. She worked with federal, private, and local organizations to manage multidisciplinary transportation projects, park-wide inventories, and federal land management projects.

Education

University of Oregon
MS, Historic Preservation, 2017

Boston University
BA, Archaeology, 2009

Professional Affiliations

Association for Preservation Technology – Southwest

California Preservation Foundation

Vernacular Architecture Forum

Dudek Project Experience (2017-present)

Development

Etiwanda Heights Neighborhood and Conservation Plan. Rancho Cucamonga, San Bernardino County, California. 2018. Kaiser served as architectural historian and co-author of the cultural resources technical report. For the Etiwanda Heights Neighborhood and Conservation Plan (EHNCP). Ms. Kaiser's report included conducting a record search, coordinating with the San Bernarino County Department of Public Works, developing the structure descriptions, archival research, historical context development, and historical significance evaluations. The project proposed to annex the project area from San Bernardino County into the City of rancho Cucamonga, and develop the Neighborhood Priority Area into a residential subdivision, and the Conservation Priority Area into a natural resource conservation area. Resources were determined to not meet the age threshold for listing in the National Register of Historic Places (NRHP) and the California Register of Historical Resources (CRHR).

Historical Resource Assessment for 1230 North Ogden Drive, City of West Hollywood, Los Angeles County, California. 2018. Ms Kaiser served as architectural historian and author of the historic resource assessment for four residential buildings on the 1230 North Ogden Drive parcel in West Hollywood. Ms. Kaiser's report included conducting a record search, coordinating with the City of West Hollywood for building permits, developing the building description, archival research, historical context development, historical significance evaluations, and California DPR form production for the four buildings. The historical resource assessment report fulfills City requirements during the development permit application process. All four buildings were determined inelgibile for listing in the NRHP or CRHR.

Oakmont/Tamarind Warehouse Project. City of Rialto, San Bernardino County, California. 2018. Ms. Kaiser served as architectural historian and co-author of the Cultural Resources Report for the Oakmont/Tamarind Warehouse Project. Ms. Kaiser contributed reconnaissance level fieldwork and aerial photograph descriptions for the report. The project proposed to construct a 156,500 sq. ft., one story warehouse on six adjoiing parcels on approximately 8 acres.

Healthcare

Kaiser Permanente Los Angeles Medical Center Project, Los Angeles, Los Angeles County, California. 2018. Ms. Kaiser served as architectural historian and co-author of the Draft EIR Cultural Resources Chapter and the author of the Cultural Resources Report Appendix. Preparation of the report involved extensive archival research, reconnaissance level fieldwork, historic context development, building development descriptions, historical significance evaluations, and DPR forms for six buildings greater than 45-years in age that are proposed for demolition as part of the multi-phase project. As a result of the evaluations, all buildings proposed for demolition were found not eligible for designation under all applicable national, state, and local designation criteria and integrity requirements. Ms. Kaiser's DEIR chapter also analyzed potential indirect impacts on two other National Register listed or eligible sites: the Aline Barnsdall Complex and the Hollywood Presbyterian Medical Center.

Municipal

LADWP Valley Generating Station Project, Los Angeles Department of Water and Power, California. 2019 (ongoing). Ms. Kaiser served as architectural historian and author of the Cultural Resources Technical Report for the Valley Generating Station Project. Preparation of the report involved site recordation, extensive archival research, historic context development, engineering feature development descriptions, historical significance evaluations, and State of California Department of Parks and Recreation Series 523 forms (DPR forms) for each building of the project. The project proposed to remove the 1953 steam generating plant, as well as the four stacks, SPRR rail spur, and underground fuel tanks.

Phillips 66 & Kinder Morgan Relocation Project, Berths 150-151, Marine Oil Terminal Engineering and Maintenance Standards (MOTEMS), Port of Los Angeles, California. 2019. Ms. Kaiser served as architectural historian and co-author of the Updated Historical Resources Evaluation Report for the Phillips 66 & Kinder Morgan Relocation Project. Preparation of the report involved reviewing previous evaluations for Union Oil Terminal Berths 150-151 and writing an updated significance evaluation. The project proposed to remove and replace the original wharfs with new concrete loading platform, mooring and breasting dolphins, access ramps, catwalks, and an underwater bulkhead. It also proposed the construction of new topside and piping components connecting the new platform to existing pipes in the backlands.

Gilroy City-wide Historic Resource Inventory, City of Gilroy, Santa Clara County, California. 2018 – ongoing. Ms. Kaiser served as architectural historian and co-author for the City-wide historic context statement prepared for the City of Gilroy. Preparation of the historical context statement involved extensive archival research, coordination with the City of Gilroy and archival repositories, chronological period and theme identification, and developing the historical narrative for the City.

Historic Context Statement for Reservoirs, City of San Diego Public Utilities Department, California. 2018 – ongoing. Ms. Kaiser served as architectural historian and author of the historic context statement, as well as individual historic resource reports for the Barrett Dam and reservoir, Lower Otay Dam and reservoir, and Hodges Dam and reservoir. Dudek is also preparing detailed impacts assessments for proposed modification to dams, as required by DSOD. The project involves evaluation of at least 10 dams for historical significance in consideration of NRHP, CRHR, and City designation criteria and integrity requirements, and requires extensive archival research and pedestrian survey. Upon completion of the project, the City will have a streamlined document for the management of their historic dam and reservoir infrastructure.

Globemaster Corridor Specific Plan, City of Long Beach, Los Angeles County, California. 2018. Ms. Kaiser served as architectural historian and author of the Draft EIR-EIS Cultural Resources Chapter for the Globemaster Corridor Specific Plan (GCSP) project. The project proposed to implement the GCSP, a planning and regulartory framework for redevelopment of an area adjacent to the Long Beach Airport and the surrounding residential and business

community which includes rezoning portions of the GCSP area, and a mobility plan that implements new streets and pedestrian connectors. Since the GCSP does not directly propose changes to the buildings or structures in the Plan area, the cultural resources report takes a programmatic overview and offers potential impacts analysis and mitigation measures for future development.

LADWP De Soto Tanks Project, Los Angeles Department of Water and Power, California. 2018. Ms. Kaiser served as architectural historian and author of the Historic Properties Identification Report for the De Soto Tanks EIR. Preparation of the report involved site recordation, extensive archival research, historic context development, engineering feature development descriptions, historical significance evaluations, and State of California Department of Parks and Recreation Series 523 forms (DPR forms) for each building of the project. The project proposed to remove the 1941 reservoir and associated buildings, and replace them with two modern underground storage tanks, as well as connections to the LADWP Rinaldi Trunk Line and De Soto Trunk Line.

LADWP Tujunga Spreading Grounds Enhancement, Los Angeles Department of Water and Power, California. 2018. Ms. Kaiser served as architectural historian and author of the cultural resources report CEQA-Plus Project. Preparation of the report involved site recordation, extensive archival research, historic context development, engineering feature development descriptions, historical significance evaluations, and State of California Department of Parks and Recreation Series 523 forms (DPR forms) for each building of the project. The evaluation found the property ineligible under all NRHP, CRHR, and Los Angeles Historic-Cultural Monuments designation criteria. The project proposed to modify a U.S. Army Corps of Engineer-owned flood control channel to divert more flood water from the Tujunga Flood Control Channel into the Tujunga Spreading Grounds.

LADWP West Los Angeles District Yard Project, Los Angeles Department of Water and Power, California. 2017. Ms. Kaiser served as architectural historian and author of the cultural resources report. Preparation of the report involved extensive archival research, in-field research, historic context development, building development descriptions, historical significance evaluations, and DPR forms for each building of the project. The evaluation found the property ineligible under all National Register of Historic Places, California Register of Historic Resources, and Los Angeles Historic-Cultural Monuments designation criteria. The project proposed to demolish existing buildings and build new buildings and an underground parking structure.

Santa Monica City Yards Master Plan Project, City of Santa Monica, Los Angeles County, California. 2017. Ms. Kaiser served as architectural historian and co-author of the historical resource evaluation report. Preparation of the report involved extensive archival research, in-field research, historic context development, building development descriptions, historical significance evaluations, and DPR forms for each building of the project. The City of Santa Monica retained Dudek to complete a cultural resources study for the proposed City Yards Master Plan project site located at 2500 Michigan Avenue in the City of Santa Monica.

State of California

Judicial Council of California Historical Resource Evaluation Report for the Stanley Mosk Courthouse, City of Los Angeles, Los Angeles County, California. 2019 (ongoing). Ms. Kaiser served as architectural historian and author of the historical resource evaluation report. Preparation of the report involved extensive archival research, interior and exterior survey fieldwork, historic context development, material descriptions, historical significance evaluations, and DPR forms for the Stanley Mosk Courthouse. Dudek was retained by the Judicial Council of California (JCC) to comply with Public Resources Code Section 5024(b), the JCC must submit to the State Historic Preservation Officer (SHPO) an inventory of all structures over 50 years of age under the JCC's jurisdiction that are listed in or that may be eligible for inclusion in the National Register of Historic Places (NRHP), or registered or that may be eligible for registration as a California Historical Landmark (CHL). The Stanley Mosk Courthouse was found eligible for designation for the NRHP, CHL, CRHR, and Los Angeles Historic Cultural Monument list under Criterion A/1 and C/3.

Linda Kry

Archaeologist

Linda Kry is an archaeologist with 12 years experience in cultural resource management specializing in various aspects of cultural resources investigations. Ms. Kry's experience includes archival research, reconnaissance surveys, archaeological excavations, artifact analysis, and authoring technical reports pursuant to the California Environmental Quality Act and Section 106 of the National Historic Preservation Act.

Education

University of California, Los Angeles
BA, Anthropology, 2006
Cerritos College
AA, Anthropology, 2004

Project Experience

San Jacinto II Wind Energy Repowering Project, Terra-Gen, LLC, Palm Springs, California. The project involves the decommissioning of approximately 126 existing wind turbines and the construction and operation of up to seven new wind turbines on private lands under the jurisdiction of the City of Palm Springs and on federal lands administered by the Bureau of Land Management. Responsibilities as technical lead include the management of a Phase I cultural resources study in compliance with the provisions of local regulations, CEQA, and Section 106 of the National Historic Preservation Act of 1966. (December 2018–Present)

Kaiser Permanente Moreno Valley Medical Center Master Plan, Kaiser Permanente, Moreno Valley, California. Kaiser Permanente is proposing the development of an approximately 400-bed hospital, hospital support buildings, outpatient medical office buildings, a central utility plant, and surface and structured parking within their existing hospital campus through a three-phase plan. The City of Moreno Valley is the lead agency under CEQA. As the technical lead for the project, responsibilities include the management of a Phase I cultural resources study. (November 2018–Present)

City of Colton Modern Pacific 88-DU Residential Project, City of Colton, Colton, California. Technical lead for a Phase I cultural resources study and Extended Phase I subsurface probing effort in accordance with CEQA. The City of Colton is proposing the development of 89-detatched single-family homes on an approximately 41.58-acre site within a single tract. (November 2018–Present)

Protea Memory Care Facility Project, City of San Juan Capistrano, San Juan Capistrano, California. Technical lead for a Phase I cultural resources study in accordance with CEQA and subject to California Assembly Bill 52 and Senate Bill 18, in support of a project that proposes to construct a 59-unit (72-bed) memory care facility. (September 2018–November 2018)

Coronado Trunk Line Project, Los Angeles Department of Water and Power, Los Angeles, California. Technical lead for a Phase I cultural resources study pursuant to CEQA and Section 106. Los Angeles Department of Water and Power is proposing to construct a new 30-inch diameter welded steel pipe, approximately 7,200 feet in length, along with a regulating and relief station vault and flow master vault. The proposed trunk line would add reliability and redundancy to the system. (September 2018–October 2018)

River Supply Conduit Unit 7 Project, Los Angeles Department of Water and Power, Los Angeles and Burbank, California. Technical lead and monitoring coordinator for the River Supply Conduit (RSC) Unit 7 Project. The

existing River Supply Conduit (RSC) is a major transmission pipeline in the LADWP water distribution system. The Project is critical to meet safety of water supplies, reliability of water infrastructure, and sustainability of water supply. (August 2018–Present)

Sand Canyon Resort, City of Santa Clarita, Santa Clarita, California. Served as technical lead for a cultural resources study for a project that proposes to develop an abandoned, approximately 75-acre existing open space into a new resort and spa in an effort to become the premiere golf destination in northern Los Angeles County. Tasks include management of the technical study including the archival research, pedestrian survey, and reporting of the study results. Additionally, authored the Cultural and Tribal Cultural Resources chapters for the Environmental Impact Report (August 2018–December 2018)

Creek at Dominguez Hills, Plentitude Holdings LLC, Carson, California. Served as contributing author for the environmental impact report for a development project that consists of approximately 532,500 square feet of buildings, including: a multiuse indoor sports complex; youth learning experience facility; indoor skydiving facility; public golf recreation facility; marketplace; clubhouse; recreation and dining center; a sports wellness center; and restaurants. Alternatively, a specialty grocery store may be developed in place of some of the restaurant uses. (August 2018–December 2018)

Relevant Previous Experience

Amapa Archaeology Project, Amapa, Oaxaca, Mexico. Served as excavator and lab analyst for an archaeological academic research project in the town of Amapa, located in the Mexican state of Oaxaca. Amapa was founded in 1769 by black runaway slaves, who fled sugar plantation slavery in central Veracruz. Using a 1770 plan map and colonial documents, the project focused on excavations around an 18th century church where shallow colonial period deposits were previously encountered in 2017. The fieldwork was conducted in an effort to address research questions regarding the town's use of architecture and space, and whether the evidence is accurately reflected in the 1770 map. (June–July 2018)

Los Angeles International Airport (LAX) Midfield Satellite Concourse, Los Angeles, California. Served as field director for archaeological and paleontological monitoring project associated with the creation of a new aircraft passenger concourse and associated elements at LAX. Responsibilities included coordinating with company personnel and project contractors, scheduling, and recordation and collection of field data. (April 2017–December 2017)

Los Angeles Metropolitan Transportation Authority Compliance Monitoring, Los Angeles, California. Served as archaeological and paleontological monitor for the multiyear and multisite project within the greater Los Angeles area, including the Crenshaw rail transit corridor and the 1.9-mile Regional Connector subway corridor, as well as their associated stations. In addition, served as monitoring coordinator for the Regional Connector Archaeological and Paleontological Monitoring Project. Responsibilities as Monitoring Coordinator included coordinating and scheduling various contractors and archaeologists; developing and providing cultural resources training for new contractors and archaeologists; monthly project updates to client; invoice and budget reviews; lab analysis of all resources collected and preparation of those resources for curation. (April 2013–January 2018)

Los Angeles Department of Water and Power Division Creek, Inyo County, California. Served as deputy project manager providing consultation and support in U.S. Forest Service and Bureau of Land Management consultation for the assessment of historical structures associated with the Division Creek Power Plant and Los Angeles Aqueduct. Responsibilities included assisting with work plans, project permitting, budgeting, and reporting. In addition, served as crew chief for archaeological surveys and testing. Conducted lab analysis of artifacts,

prepared these resources for curation, and co-authored reports on the results of all findings. (July 2013–November 2017)

Genesis Solar Energy Project, Blythe, California. Served as archaeological monitor. Monitored the placement of transmission lines, large-scale excavations for the placement of solar panels, and caisson drilling for solar panel footings. Responsibilities also included survey, testing, and artifact collection. Coordinated with the client, archaeologists, Native American monitors, and general contractors. Provided daily updates, reviewed daily archaeological monitoring logs, and collected/stored resources daily. (June 2011–February 2014)

Long Beach Courthouse, City of Long Beach, Long Beach, California. Served as lead archaeological and paleontological monitor during construction of a new courthouse. Duties included providing workers training regarding archaeological and paleontological resources for on-site contractors, documenting historical archaeological features, and coordinating with clients and staff. In addition, conducted excavations of early 20th century features discovered during monitoring. Also served as lab director for the analysis, cataloging and processing artifacts for curation. Co-authored report documenting project results. (2010–2011)

Topanga Library, Topanga Canyon, California. Served as crew chief. Involved in multiple facets of archaeological research. Conducted archaeological monitoring during construction of the Topanga Library, which resulted in the discovery of materials associated with a pre-colonial Gabrielino site. Identified and processed cultural and human remains, as well as contributed to report on all findings. (2009–2010)

Solar Millennium Blythe Project, Blythe, California. Served as crew chief for archaeological survey of a proposed solar electric facility in the Chuckwalla Valley. Project included survey of the project site and buffer zones, recordation of historical and pre-colonial archaeological sites, and documentation on Department of Parks and Recreation Forms. (June 2009–March 2010)

Central Los Angeles High School #9, Los Angeles Unified School District, Los Angeles, California. Served as excavator and lab analyst. Duties included assessing artifact conditions and conservation needs, assisting with development and implementation of artifact cleaning procedures, artifact classification, artifact cataloging using Excel, and the reconstruction of artifacts. Over 3,000 historic-era artifacts were recovered from a 19th-century cemetery. (2006–2009)

Beacon Solar Energy Project, Los Angeles Department of Water & Power, Kern County, California. Archaeological monitoring for the Beacon Solar Energy Project. Monitored excavation for the placement of solar panels. Aspects of the project included monitoring, survey, testing, and artifact collection. Responsibilities included recordation and collection of cultural resources discovered during monitoring and scheduling with Native American and construction crews.

Oasis Solar Field, NRG Solar, Environmental Assessment for the City of Palmdale and the United States Air Force, Palmdale, California. Served as Crew Chief for an archaeological survey. Responsibilities include data collection for historical resources and recordation of field data on Department of Parks and Recreation Forms.

California High Speed Train Project, Fresno, Madera, and Merced Counties, California. Field Archaeologist. Assisted in archaeological survey of parcels for a proposed high-speed train in Central California. The project included an archaeological survey of the project areas of potential effect and buffer zones, the recordation of historic and prehistoric archaeological resources, and recordation of field data on Department of Parks and Recreation Forms.

Samantha Murray, MA

Historic Built Environment Lead / Senior Architectural Historian

Samantha Murray is a senior architectural historian with 13 years' professional experience in in all elements of cultural resources management, including project management, intensive-level field investigations, architectural history studies, and historical significance evaluations in consideration of the California Register of Historical Resources (CRHR), the National Register of Historic Places (NRHP), and local-level evaluation criteria. She meets the Secretary of the Interior's Professional Qualification Standards for both Architectural History and Archaeology.

Education

California State University, Los Angeles
MA, Anthropology, 2013

California State University, Northridge
BA, Anthropology, 2003

Professional Affiliations

California Preservation Foundation

Society of Architectural Historians

National Trust for Historic Preservation

Registered Professional Archaeologist

Ms. Murray is skilled in the recordation, evaluation, and mitigation of adverse effects to historic water resource infrastructure throughout California, including dams, reservoirs, pumping stations, channels, and culverts. Understanding the scale and complexity of this unique resource type, Ms. Murray has guided architects and engineers through the process of adjusting plans to conform with the Secretary of the Interior's Standards for Rehabilitation, and understands the need to strike a balance between preservation and functionality. In addition to her expertise with water resource infrastructure, she has prepared hundreds of historical resource evaluations and developed detailed historic context statements for a multitude of property types and architectural styles, including private residential, commercial, industrial, educational, medical, ranching, mining, airport, and cemetery properties. Ms. Murray also has a strong understanding of consultation with the State Historic Preservation Officer (SHPO), and regularly receives SHPO concurrence with no comments. She has also provided expertise on numerous projects requiring conformance with the *Secretary of the Interior's Standards for the Treatment of Historic Properties*.

Finally, Ms. Murray has extensive experience preparing environmental compliance documentation in support of projects that fall under the California Environmental Quality Act (CEQA)/National Environmental Policy Act (NEPA), and Sections 106 and 110 of the National Historic Preservation Act (NHPA). She also regularly works with local governments and historic preservation ordinance requirements. Ms. Murray has also served as a third-party reviewer and expert witness in court proceedings concerning interpretation and treatment of historical resources under CEQA and local municipal code.

Select Water Infrastructure Project Experience

San Diego PUD Citywide Historic Context Statement and Evaluation of Dam Infrastructure (in progress). Dudek is currently in the process of preparing a citywide historic context statement and significance evaluation of all dam and reservoir infrastructure owned/operated by the City's Public Utilities Department. Dudek is also preparing detailed impacts assessments for proposed modification to dams, as required by DSOD. The project involves evaluation of at least 10 dams for historical significance in consideration of NRHP, CRHR, and City designation criteria and integrity requirements, and requires extensive archival research and pedestrian survey. Upon completion of the project, the City will have a streamlined document for the management of their historic dam

and reservoir infrastructure. To date, Dudek has completed a draft historic context statement and three dam historical significance evaluations.

City of Santa Cruz Newell Creek Dam Inlet Outlet Replacement Project (in progress). Dudek is currently working with the City of Santa Cruz. The Newell Creek Dam is an earthen dam approximately 195 feet high with a crest length of about 750 feet. Built in 1961, the dam forms Loch Lomond Reservoir (Reservoir), which has a maximum storage capacity of approximately 8,646 acre-feet. The City owns the reservoir, and the Santa Cruz Water Department operates it as the primary storage facility for the City's water supply system. The proposed Project would consists of replacement of the existing aging inlet/outlet works in new locations at the Reservoir and other associated improvements. Dudek completed an historical resource evaluation of the dam and associated infrastructure in consideration of NRHP, CRHR, and City designation criteria and integrity requirements and prepare a detailed impacts assessment. The draft report is currently being reviewed by the City.

LADWP Tujunga Spreading Grounds Enhancement Project, City of Los Angeles, Los Angeles County, California (2018). Dudek was retained by Los Angeles Department of Water and Power (LADWP) to complete a cultural resources study for a project that proposes to install two new intake facilities to capture high flows from the Tujunga Flood Control and Pacoima Channels. After thorough consideration of NRHP, CRHR, and City of Los Angeles Historic-cultural Monument (HCM) designation criteria, the Tujunga Flood Control Channel segment addressed in this project does not appear eligible under any designation criteria. Ms. Murray co-authored the significance evaluation and provided QA/QC of the cultural resources report.

LADWP Green Verdugo Reservoir Improvement Project, City of Los Angeles, Los Angeles County, California (2017). Dudek was retained by Los Angeles Department of Water and Power (LADWP) to complete a cultural resources study for a project that proposes facility updates at the reservoir site in order to ensure safe water quality. Ms. Murray evaluated the reservoir for historical significance in consideration of NRHP, CRHR, and City of Los Angeles HCM designation criteria and integrity requirements, and co-authored the cultural resources report.

Tequesquite Creek Maintenance Project, City of Riverside, Riverside County, California (2017). Dudek was retained by the City of Riverside to conduct a cultural resources study for the proposed Tequesquite Creek Maintenance Project. The Tequesquite Creek Channel was constructed circa 1962-1966 and required evaluation for historical significance. The resource was found ineligible under all designation criteria and integrity requirements. Ms. Murray co-authored the significance evaluation and provided QA/QC of the cultural resources report.

LADWP Upper Stone Canyon Reservoir Water Quality Improvement Project, City of Los Angeles, Los Angeles County, California (2016). Dudek was retained by Los Angeles Department of Water and Power (LADWP) to complete a cultural resources study for a project that proposes to maintain and improve the quality, reliability, and stability of the Stone Canyon Reservoir Complex (SCRC) service area drinking water supply in order to continue to meet customer demand. Dudek prepared an updated evaluation of the reservoir in consideration of NRHP, CRHR, and City of Los Angeles HCM criteria and integrity requirements. Ms. Murray conducted the built environment survey, archival research, and co-authored the cultural resources report.

LADWP North Hollywood West Well Field Water Treatment Project, City of Los Angeles, Los Angeles County, California (2016). Dudek was retained by Los Angeles Department of Water and Power (LADWP) to complete a cultural resources study for a project that proposes to implement a response action to address releases of 1,4 dioxane in groundwater that are migrating to the NHW Well Field. This response action would be achieved by installing treatment equipment at the well field capable of removing 1,4-dioxane to below the identified cleanup levels. Ms. Murray provided QA/QC of the cultural resources technical report.

69th and Mohawk Pump Station Project, City of San Diego, California (2015). Ms. Murray served as architectural historian and lead author of the Historical Resource Technical Report for the pump station building on 69th and Mohawk Street. Preparation of the report involves conducting extensive building development and archival research on the pump station building, development of a historic context, and a historical significance evaluation in consideration of local, state, and national designation criteria and integrity requirements.

Pump Station No. 2 Power Reliability and Surge Protection Project, City of San Diego, California (2015). Ms. Murray served as architectural historian and prepared an addendum to the existing cultural resources report in order to evaluate the Pump Station No. 2 property for NRHP, CRHR, and local level eligibility and integrity requirements. This entailed conducting additional background research, building development research, a supplemental survey, and preparation of a historic context statement.

Bear River Restoration at Rollins Reservoir Project, Nevada Irrigation District, Nevada and Placer Counties, California (2014). Ms. Murray served as architectural historian and co-author of the Cultural Resources Inventory Report. Ms. Murray conducted background research on the 1963 Chicago Park Powerhouse Bridge and prepared a historic context for the Little York Township and Secret Town Mine.

Expert Witness

Robert Salamone vs. The City of Whittier (2016). Ms. Murray was retained by the City of Whittier to serve as an expert witness for the defense. She peer reviewed a historic resource evaluation prepared by another consultant and provided expert testimony regarding the contents and findings of that report as well as historic resource requirements on a local and state level in consideration of the City of Whittier's Municipal Code Section 18.84 and CEQA. Judgement was awarded in favor of the City.

Peer Review

Peer Review of 1106 North Branciforte Avenue, City of Santa Cruz, Santa Cruz County, California (2017). Dudek was retained by the City of Santa Cruz to peer review the revised Department of Parks and Recreation Series 523 forms (DPR forms) for the property located at 1106 North Branciforte Avenue in the City of Santa Cruz. Ms. Murray conducted two rounds of peer review on the original and revised evaluation.

Peer Review of Avenidas Expansion Project, City of Palo Alto, Santa Clara County, California (2016). Ms. Murray peer reviewed a historical resource evaluation report for the property at 450 Bryant Street. The peer review assessed the report's adequacy as an evaluation in consideration of state and local eligibility criteria and assessed the project's conformance with the Secretary of the Interior's Standards for Rehabilitation.

Peer Review of 429 University Avenue Historic Resources Evaluation Report, City of Palo Alto, Santa Clara County California (2014). Ms. Murray conducted a peer review of a study prepared by another consultant, and provided a memorandum summarizing the review, comments, and recommendations, and is currently working on additional building studies for the City of Palo Alto.

Peer Review of 1050 Page Mill Road Historic Resources Evaluation Report, City of Palo Alto, Santa Clara County, California (2014). Ms. Murray conducted a peer review of a study prepared by another consultant, and provided a memorandum summarizing the review, comments, and recommendations.

Presentations

***Historical Resources under CEQA*. Prepared for the Orange County Historic Preservation Planner Working Group. Presented by Samantha Murray, Dudek. December 1, 2016.** Ms. Murray delivered a one-hour PowerPoint presentation to the Orange County Historic Preservation Planner Working Group, which included

planners from different municipalities in Orange County, regarding the treatment of historical resources under CEQA. Topics of discussion included identification of historical resources, assessing impacts, avoiding or mitigating impacts, overcoming the challenges associated with impacts to historical resources, and developing effective preservation alternatives.

***Knowing What You're Asking For: Evaluation of Historic Resources*. Prepared for Lorman Education Services. Presented by Samantha Murray and Stephanie Standerfer, Dudek. September 19, 2014.** Ms. Murray and Ms. Standerfer delivered a one-hour PowerPoint presentation to paying workshop attendees from various cities and counties in Southern California. The workshop focused on outlining the basics of historical resources under CEQA, and delved into issues/challenges frequently encountered on preservation projects.

Relevant Training

- CEQA and Historic Preservation: A 360 Degree View, CPF, 2015
- Historic Designation and Documentation Workshop, CPF, 2012
- Historic Context Writing Workshop, CPF, 2011
- Section 106 Compliance Training, SWCA, 2010
- CEQA Basics Workshop, SWCA, 2009
- NEPA Basics Workshop, SWCA, 2008
- CEQA, NEPA, and Other Legislative Mandates Workshop, UCLA, 2008

Erica Nicolay, MA

Cultural Resource Specialist

Erica Nicolay is an cultural resource specialist with 3 years' experience as an archaeologist, primarily in Southern California. Ms. Nicolay has worked on projects for private developers, municipalities, government agencies, and energy companies. She has experience determining cultural resource sensitity for proposed projects, developing project-specific mitigation measures, communicating with interested parties, and/or conducting fieldwork in order to assess known resources or determine if unknown resources could be present.

Education

California State University, Northridge, MA, Public Archaeology, 2016

University of California, Los Angeles BA, Anthropology, 2012

Relevant Project Experience

Development

Cultural Resource Assessment for the Compton High School Replacement Project, Compton California. (3 Weeks) Co-authored cultural resource assessment report for the proposed Compton High School Replacement Project. The purpose of this assessment was to determine the sensitivity of the project area and to determine the likelihood that archaeological resources would be impacted by the proposed construction. Tasks comprised conducting historical research, including analyzing historical aerials, historical topographic maps, and ethnographic literature; initiating and tracking a Native American outreach program; and conducting a search of the California Historical Resources Information System (CHRIS).

222 West Second Street Tribal Cultural Resource Assessment, Los Angeles, California. (3 weeks) Co-authored a tribal cultural resource assessment for 222 West Second Street. The purpose of this assessment was to determine the likelihood of encountering historic or prehistoric tribal cultural resources during the proposed construction. Tasks included analyzing historical aerials, maps and ethnographic resources, and conducting a CHRIS search.

Resource Management

Archaeological Testing and Data Recovery Project, Malibu, California. (6 weeks) Served as a co-field director for an archaeological testing program and subsequent data recovery project at a prehistoric site in Malibu. The purpose of the project was to assess the state of the site, determine if there were intact features present in the proposed footprint of construction for a new gas line, and efficiently and appropriately document and remove any uncovered features. Tasks included supervising a crew of eight archaeologists, coordinating with construction crews, tracking excavation progress and findings, conducting excavation, and creating to-scale plan-view maps of all features.

Updated Cultural Resource Survey for the Travertine Land Development, La Quinta, California. (3 weeks) Served as survey leader on private and Bureau of Land Management land in La Quinta for the proposed Travertine Land Development Proposal. The purpose of the survey was to revisit sites that had previously been located and determine if they were within or outside of the proposed project's area of potential effects. Tasks include relocating and assessing the state of previously recorded sites, preparing updated site forms, and coauthoring the final survey report.

APPENDIX B

CONFIDENTIAL Records Search Results

APPENDIX C

DPR Forms

State of California ♿ The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

PRIMARY RECORD

Primary #
HRI #
Trinomial
NRHP Status Code: 6Z

Other Listings
Review Code | Reviewer | Date

Page 1 **of** 7 ***Resource Name or #:** (Assigned by recorder) Gardena Pumping Plant
P1. Other Identifier:
***P2. Location:** ☐ **Not for Publication** ■ **Unrestricted**
***a. County** Los Angeles **and** (P2c, P2e, and P2b or P2d. Attach a Location Map as necessary.)
***b. USGS 7.5' Quad** Torrance **Date** 1981 **T** 3S ; **R** 14W ; **Sec** 26 ; San Bernardino **B.M.**
c. Address 1919 W Artesia Boulevard City Gardena Zip 90247
d. UTM: (Give more than one for large and/or linear resources) Zone 11S , 378623.3 mE/ 3748863.1 mN
e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, decimal degrees, etc., as appropriate)

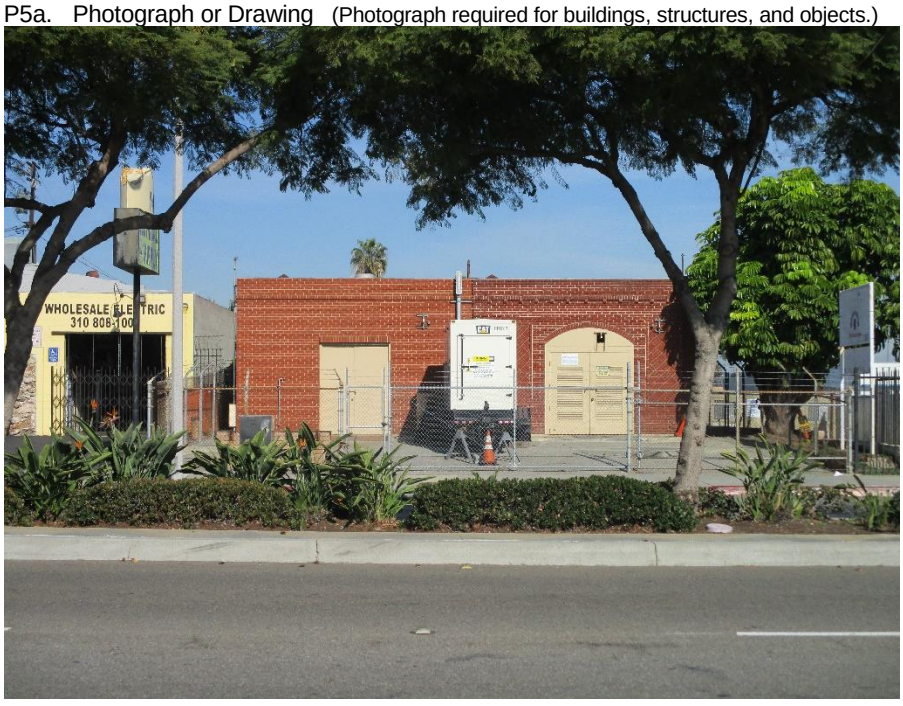
APN: 4094-007-903; The Gardena Pumping Plant is located in the southern portion of the City of Gardena, adjacent to the City of Torrance border. Gardena is in the South Bay region of Los Angeles County, between the Cities of Torrance and Carson. Generally, the Project site is located northwest of the Interstate (I-) 405 and State Route (SR-) 110 intersection and west of the Dominguez Channel. The building is located on a 50 foot-by-75 foot lot fronting on West Artesia Boulevard, among several small-scale automotive and industrial buildings.

***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

The Gardena Pumping Plant is a one-story, brick pumping plant located in the southwest portion of the City of Gardena. The building has a rectangular plan, with a smaller rectangular addition on its west side, and a flat roof with parapet. The pumping plant resembles the brick commercial-style building seem most commonly in commercial architecture, despite its use as a public utility building. It also has some secondary (See Continuation Sheet)

***P3b. Resource Attributes:** (List attributes and codes) HP9 – public utility building
***P4. Resources Present:** ■ Building ☐ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (Isolates, etc.)

P5a. Photograph or Drawing (Photograph required for buildings, structures, and objects.)



P5b. Description of Photo: (view, date, accession #) Overview of main (south) elevation, with 1928 original pumping plant on right, and 1960 addition on left, 1/8/2019 (IMG_1744)

***P6. Date Constructed/Age and Source:**
■ Historic ☐ Prehistoric ☐ Both 1928; 1960 (LACSD 1928, 1960)

***P7. Owner and Address:**
Sanitation Districts of Los Angeles County
1955 Workman Mill Road
Whittier, CA 90601

***P8. Recorded by:** (Name, affiliation, and address) Kate Kaiser, Dudek
38 N. Marengo Ave
Pasadena, CA 91101

***P9. Date Recorded:** 2/15/2019
***P10. Survey Type:** pedestrian
***P11. Report Citation**: Dudek. 2019. Cultural Resources Technical Report for the Gardena Pumping Plant Upgrade Project, City of Gardena, Los Angeles County, California. Prepared for the Sanitation Districts of Los Angeles County.

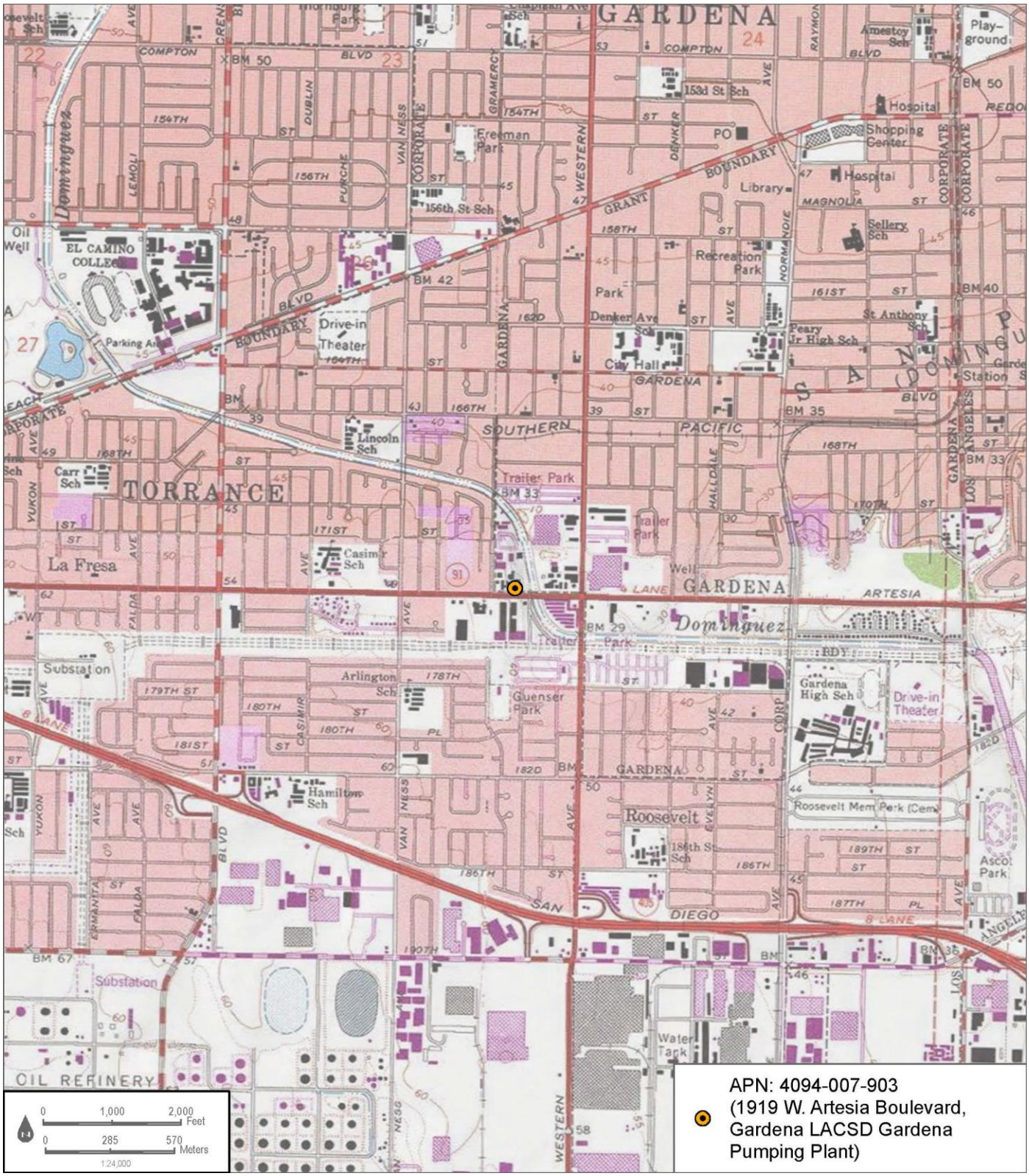
***Attachments:** ☐NONE ■Location Map ■Continuation Sheet ■Building, Structure, and Object Record
☐Archaeological Record ☐District Record ☐Linear Feature Record ☐Milling Station Record ☐Rock Art Record
☐Artifact Record ☐Photograph Record ☐ Other (List):

State of California ◆ Natural Resources Agency
DEPARTMENT OF PARKS AND RECREATION

LOCATION MAP

Primary #
HRI#
Trinomial

Page 2 **of** 7 ***Resource Name or #** (Assigned by recorder) Gardena Pumping Station
***Map Name:** Torrance ***Scale:** 1:24,000 ***Date of map:** 1981



State of California ♁ The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

Primary #
HRI#

BUILDING, STRUCTURE, AND OBJECT RECORD

***Resource Name or #** (Assigned by recorder) Gardena Pumping Station ***NRHP Status Code** 6Z
Page 3 **of** 7

B1. Historic Name: Gardena Pumping Station
B2. Common Name: Gardena Pumping Station
B3. Original Use: Sewage pumping station B4. Present Use: Sewage pumping station
***B5. Architectural Style:** Brick Commercial
***B6. Construction History:** (Construction date, alterations, and date of alterations)
1928 – original pumping station built
1960 – 1960 addition built adding 2 more pumps
1972 – demolishing and replacing 1928 wet well; above surface building alterations: electrical work, new generator, repaving blacktop, installing control panel, replacing 1928 building main elevation door
Observed alteration: window infill for all windows in 1928 and 1960 buildings
(See Continuation Sheet)

***B7. Moved?** ■No □Yes □Unknown **Date:** **Original Location:**
***B8. Related Features:** None

B9a. Architect: unknown b. Builder: unknown
***B10. Significance: Theme** **Area**
Period of Significance **Property Type** **Applicable Criteria**
(Discuss importance in terms of historical or architectural context as defined by theme, period, and geographic scope. Also address integrity.)

NRHP/CRHR Statement of Significance
In consideration of the Project site's history and requisite integrity, the Gardena Pumping Plant is recommended not eligible for listing in the NRHP or CRHR based on the following significance evaluation. (See Continuation Sheet)

B11. Additional Resource Attributes: (List attributes and codes)

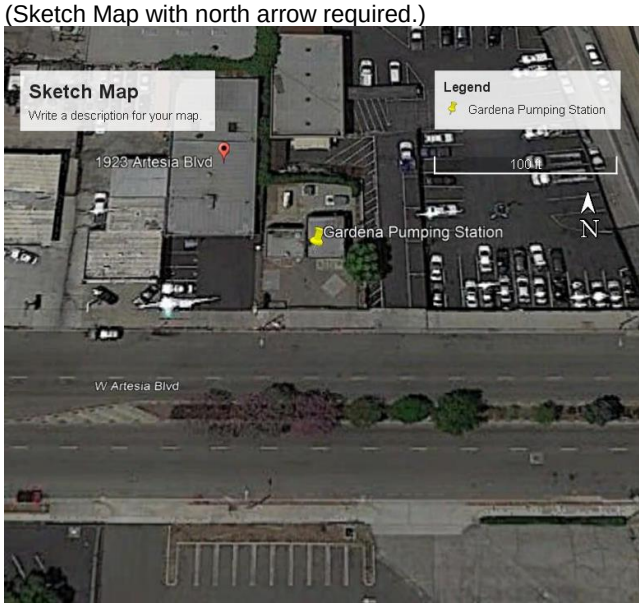
***B12. References:**
(See Continuation Sheet)

B13. Remarks:

***B14. Evaluator:** Kate Kaiser
***Date of Evaluation:** 2/15/2019

(This space reserved for official comments.)

(Sketch Map with north arrow required.)



P3a Description (Continued): Neo-Classical influenced decoration, including common (American) bond brickwork, a decorative header belt course and dentil band below the parapet, an arched entry on the 1928 building, and a basket-weave section of decorative brickwork on the front elevation flanking the door. On the 1960 addition, the header belt course is repeated, but the other decorative elements are lost: the brick bond is stretcher-only, suggesting it is a brick façade over a brick building; the double door only has a flat arch soldier course, and there are no flanking decorative brickwork as with the basket-weave on the 1928 building.

The main (south) elevation faces West Artesia Boulevard. The south elevation has two clearly defined halves, the 1960 addition (left) and the 1928 original building (right). Both are symmetrically arranged with metal double door in the center of the elevation. The left building (1960) has no other decoration, other than a soldier course flat arch over the door and a belt course below the parapet. The left building brickwork is stretcher bond only, and a lighter colored, raked orange brick than its 1928 neighbor. There is a small gap between buildings, however, this gap is only cosmetic and the buildings clearly share a wall on the interior. The right building (1928) is symmetrical, with two basket-weave brickwork sections flanking the centered double door with an arch, and a belt and dentil course below the parapet. The belt and dentil course is present on all visible elevations of the 1928 building (south, east, north, and visible portion of west). This elevation features common bond, raked, dark red-brown bricks in the 1928 building. The west elevation of the 1960 building features stretcher bond bricks, and continues the belt coursed below the parapet. It has two large, evenly spaced infilled windows with concrete sills, and soldier course flat arches above them. Continuing clockwise around the building the north (rear) elevation presents as two distinct halves. The left (1928) section protrudes roughly five feet further north than the right (1960) section. The left section has the common bond brickwork, as well as two infilled windows flanking a single metal door with a flat arch. The infilled window brickwork clearly does not match the structural brickwork and appears to be a later repair. The right (1960) section also has two infilled windows flanking a single metal door, but like its main elevation it features stretcher bond bricks and a belt course for its only decoration. The north elevation also has several objects attached to the building exterior, including gutters scuppers for the roof at the parapet line, lights, pipes, utility boxes and an exhaust fan. Finally, the east elevation is only visible for the 1928 building. This elevation features common bond bricks with two infilled windows with concrete sill and flat arch still visible. There is also a single, 12-brick basket-weave pattern in a diamond orientation centered between the two windows.

There are several other structural elements to the Gardena Pumping Plant. Because it is connected to the sewer system, there is an extensive below-ground component consisting of a wet well near the front portion of the lot and two dry wells, one under each building, extending 26 feet below the ground level. Access to the dry wells are through the interior. The dry wells structures are board-formed concrete in the 1928 building and plywood formed concrete in the 1960 addition. Access to the wet well is through a cement collar and pressed aluminum metal hatch at the ground level, directly in front of (south) the west portion (1960) of the building. There are several such access points to the wet well on the paved section of lot in front of the building.

B6. Construction History (Continued):

According to LACSD records, A.M. Rawn approved the original Gardena Pumping Plant (pumping plant No. 1) in February 1928, though the original designer is unknown. The original pumping plant was designed by county engineers and approved by A.M. Rawn, Assistant Chief Engineer, and A.K. Warren, Chief Engineer. The original designers were not named on the engineering plans (LACSD 1928).

There are two major and several minor alterations to the Gardena Pumping Plant. The most

notable of these is the 1960 addition of a second pumping plant, and a 1971-1972 project to update the plant. In 1960, a second pumping plant was deemed necessary to accommodate the growing demands on the 1928 pumping plant. This alterations included the addition of a below ground wet and dry well, an above-ground building, constructed of brick that shared the west wall of the 1928 pumping plant building, and would house two pumps, and electrical equipment sufficient to automate the plant. Contractors involved included Domar Electric, Barney's Drilling Service, Pacific Crane and Rigging, Blue Diamond Steelmen, Asher's Concrete Cutting Co., Rosencrans Construction Co, and Midway Construction Co. LACSD employees completed the remainder of the construction work. Construction of the 1960 pumping plant began on May 31, 1960 and concluded on December 9, 1960 (LACSD 1960; Permit E3995; Permit B6518).

In 1972, another major construction project took place at the Gardena Pumping Plant. This involved repaving the blacktop on the lot, installing new electrical transformers; replace existing electrical conduit into building and dry well; installing a new diesel generator; installing control panels; demolishing the 1928 wet well; creating a new wet well; and removing and replacing the 1928 building main elevation door. Contractors included Jenkin Construction Company, Ashcraft Electric, Barney's Drilling Service, Signal Steel Co., L.A. Door Repair Corp, Amex Paving, and Superior Coatings Paint. Construction of the 1972 alterations began on June 21, 1971, and concluded on October 5, 1972 (LACSD 1972; Permit B15884).

During the course of survey, there was one observed alteration. Between 1972 and present, all of the windows on the west, north and east elevations were infilled with brick. These alterations were not included on any of the permits, plans, or narrative descriptions of other alterations.

B10. Significance (Continued):

Criterion A/1: Associated with events that have made a significant contribution to the broad patterns of our history.

Archival research identified that the original 1928 Gardena Pumping Plant was likely designed and built during the initial LACSD campaign to build out the Sanitation District No. 5 infrastructure including sewer trunk lines, branch lines, wells, and other pumping stations. District No. 5 was built concurrently with Districts 1, 2, 3, 4, and 8. This was part of a County-wide push for sanitation infrastructure in the early twentieth century, to not only accommodate population growth in the proposed sanitation districts, but to promote or entice industrial development to establish in Los Angeles County. However, the role of the Gardena Pumping Plant in this campaign is trivial. The subject pumping plant was one of several plants working as part of a larger infrastructure system to keep sewage moving to the outfall plant at White's Point. Moreover, the building has undergone several alterations and a large addition from 1960, that has diminished its integrity and its ability to convey an association with the 1925-1930 Sanitation District infrastructure project. Therefore, the Gardena Pumping Plant does not appear eligible under NRHP/CRHR Criteria A/1.

Criterion B/2: Associated with the lives of persons significant in our past.

Archival research yielded no known associations with important figures in national, state, or local history. Therefore, the Gardena Pump Plant does not appear eligible under NRHP/CRHR Criteria B/2.

Criterion C/3: Embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction.

Gardena Pumping Plant is not a distinctive or remarkable example of the early twentieth century

commercial style and has had several major alterations including new doors, window infill, and a 1960 addition clearly visible from the main elevation. It retains some minor character defining features such as the decorative basket-weave brickwork on the 1928 building, and the belt course and dentil band below the parapet. An LACSD engineer designed the Gardena Pumping Plant, but the name of the designer could not be determined from the engineering plans. The building does not possess high artistic value and is not a significant or distinguishable entity whose components lack individual distinction. For all of these reasons, the Gardena Pumping Plant does not appear eligible under NRHP/CRHR Criteria C/3.

Criterion D/4: Have yielded, or may be likely to yield, information important in prehistory or history.

There is no evidence to suggest that Gardena Pumping Plant has the potential to yield information important to national, state, or local history, nor is it associated with a known archaeological resource. Therefore, the Gardena Pumping Plant is recommended not eligible under NRHP/CRHR Criterion D/4.

Integrity Discussion

Location: Gardena Pumping Plant is sited on the original location of construction in its original orientation. Therefore, Gardena Pumping Plant retains integrity of location.

Design: Gardena Pumping Plant was subjected to several extensive exterior alterations over time that compromise its integrity of design, including a 1960 addition visible from the main elevation, rendered in a different style, window infill on the west, north, and east elevations, a new door, and arched entry infill for the 1928 building. Therefore, the Gardena Pumping Plant does not retain integrity of design.

Setting: The setting of the Gardena Pumping Plant has changed significantly since the original 1928 building was built, including the slow replacement of orchards and agricultural fields with small-scale industrial and commercial buildings, complete urbanization of the Gardena Valley area. Therefore, Gardena Pumping Plant does not retain integrity of setting.

Materials: Numerous alterations to the Gardena Pumping Plant have compromised the property's material integrity, including a 1960 addition, window infill, and new doors. Even though brick material was used for the 1960 addition window infill, there has been material loss of all original fenestration. Therefore, Gardena Pumping Plant no longer retains integrity of materials.

Workmanship: Similar to the issue with materials, the physical evidence of a craftsman's skills in constructing the original Gardena Pumping Plant building was compromised by the alterations and additions. Therefore, the Gardena Pumping Plant no longer retains its integrity of workmanship.

Feeling: The Gardena Pumping Plant does not convey the feeling of an early twentieth century utility building, since subsequent alterations and additions negatively affected the buildings' ability to convey this feeling. Therefore, the Gardena Pumping Plant no longer retains integrity of feeling.

Association: An important historical associations between the Gardena Pumping Plant and early Los Angeles County efforts to introduce comprehensive sewerage throughout Los Angeles County was observed, however, subsequent alterations and additions have diminished this historical association. Therefore, the Gardena Pumping Plant no longer retains integrity of association.

In summary, the subject property appears not eligible under all NRHP and CRHR designation criteria. Further, the Gardena Pumping Plant only retains integrity of location, and therefore

does not maintain the requisite integrity to warrant listing in the NRHP or CRHR.

B12. References (Continued):

LACSD (Sanitation District of Los Angeles County). 1928. Drawing Set: Gardena Pumping Plant. On file with the LACSD.

LACSD. 1960. Construction Daily Report Book: Gardena Pump Plant No. 2. Contract 1332. Unpublished internal report.

LACSD. 1972. Construction Daily Report Book: Gardena P.P. Revision. Contract 1972. Unpublished internal report.

State of California ♘ The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

PRIMARY RECORD

Primary #
HRI #
Trinomial
NRHP Status Code: 6Z

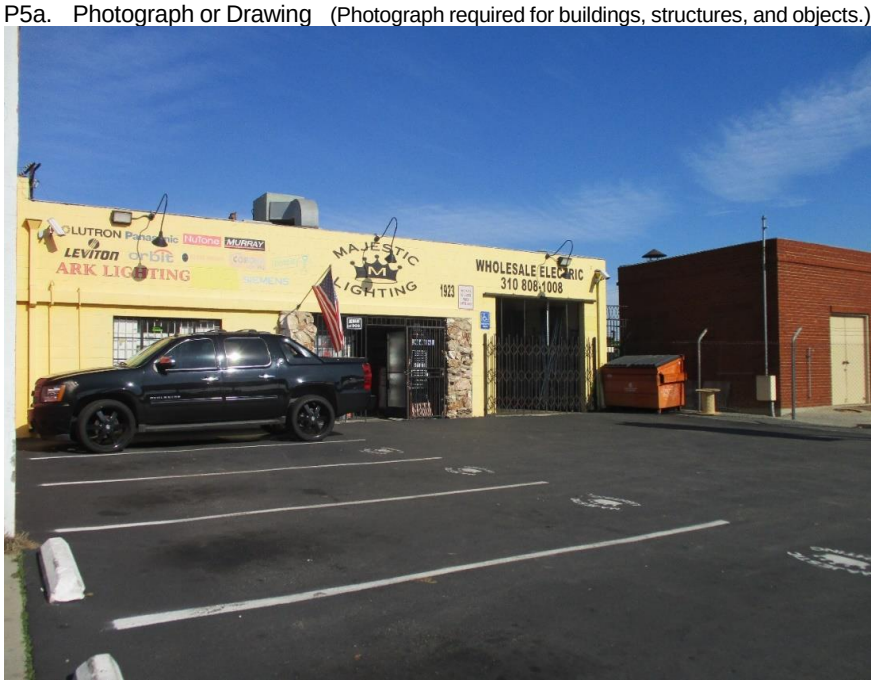
Other Listings
Review Code | Reviewer | Date

Page 1 **of** 5 ***Resource Name or #:** (Assigned by recorder) 1923 W Artesia Boulevard
P1. Other Identifier: Majestic Lighting
*__P2.__ **Location:** ☐ **Not for Publication** ■ **Unrestricted**
***a. County** Los Angeles **and** (P2c, P2e, and P2b or P2d. Attach a Location Map as necessary.)
***b. USGS 7.5' Quad** Torrance **Date** 1981 **T** 3S ; **R** 14W ; **Sec** 26 ; San Bernardino **B.M.**
c. Address 1923 W Artesia Boulevard City Gardena Zip 90247
d. UTM: (Give more than one for large and/or linear resources) Zone 11S , 378608.3 mE/ 3748867.0 mN
e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, decimal degrees, etc., as appropriate)
APN: 4094-007-005; 1923 W Artesia Boulevard is located in the southern portion of the City of Gardena, adjacent to the City of Torrance border. Gardena is in the South Bay region of Los Angeles County, between the Cities of Torrance and Carson. Generally, the Project site is located northwest of the Interstate (I-) 405 and State Route (SR-) 110 intersection and west of the Dominguez Channel. The building is located on a 50 foot-by-150 foot lot fronting on West Artesia Boulevard, among several small-scale automotive and industrial buildings.

***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)
The Majestic Lighting building at 1923 West Artesia Boulevard is located immediately west of the Gardena Pumping Plant lot. The building, built in 1957 is a one-story Mid-Century Modern Style commercial building located among several small-scale automotive and industrial buildings, as well as the Gardena Pumping Plant. The building features a rectangular plan, with no noted additions, and the roof features a rounded, (See Continuation Sheet)

***P3b. Resource Attributes:** (List attributes and codes) HP6 – 1-3 story building
***P4. Resources Present:** ■ Building ☐ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (Isolates, etc.)

P5a. Photograph or Drawing (Photograph required for buildings, structures, and objects.)



P5b. Description of Photo: (view, date, accession #) Overview of the main (south) elevation of 1923 W Artesia Boulevard, 1/8/2019 (IMG_1729)

***P6. Date Constructed/Age and Source:** ■ Historic ☐ Prehistoric ☐ Both 1957 (LAC Assessor 2019)
***P7. Owner and Address:**
Current owner unknown

***P8. Recorded by:** (Name, affiliation, and address) Kate Kaiser, Dudek
38 N. Marengo Ave
Pasadena, CA 91101
***P9. Date Recorded:** 2/15/2019
***P10. Survey Type:** pedestrian

***P11. Report Citation**: Dudek. 2019. Cultural Resources Technical Report for the Gardena Pumping Plant Upgrade Project, City of Gardena, Los Angeles County, California. Prepared for the Sanitation Districts of Los Angeles County.

***Attachments:** ☐NONE ■Location 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 (List):

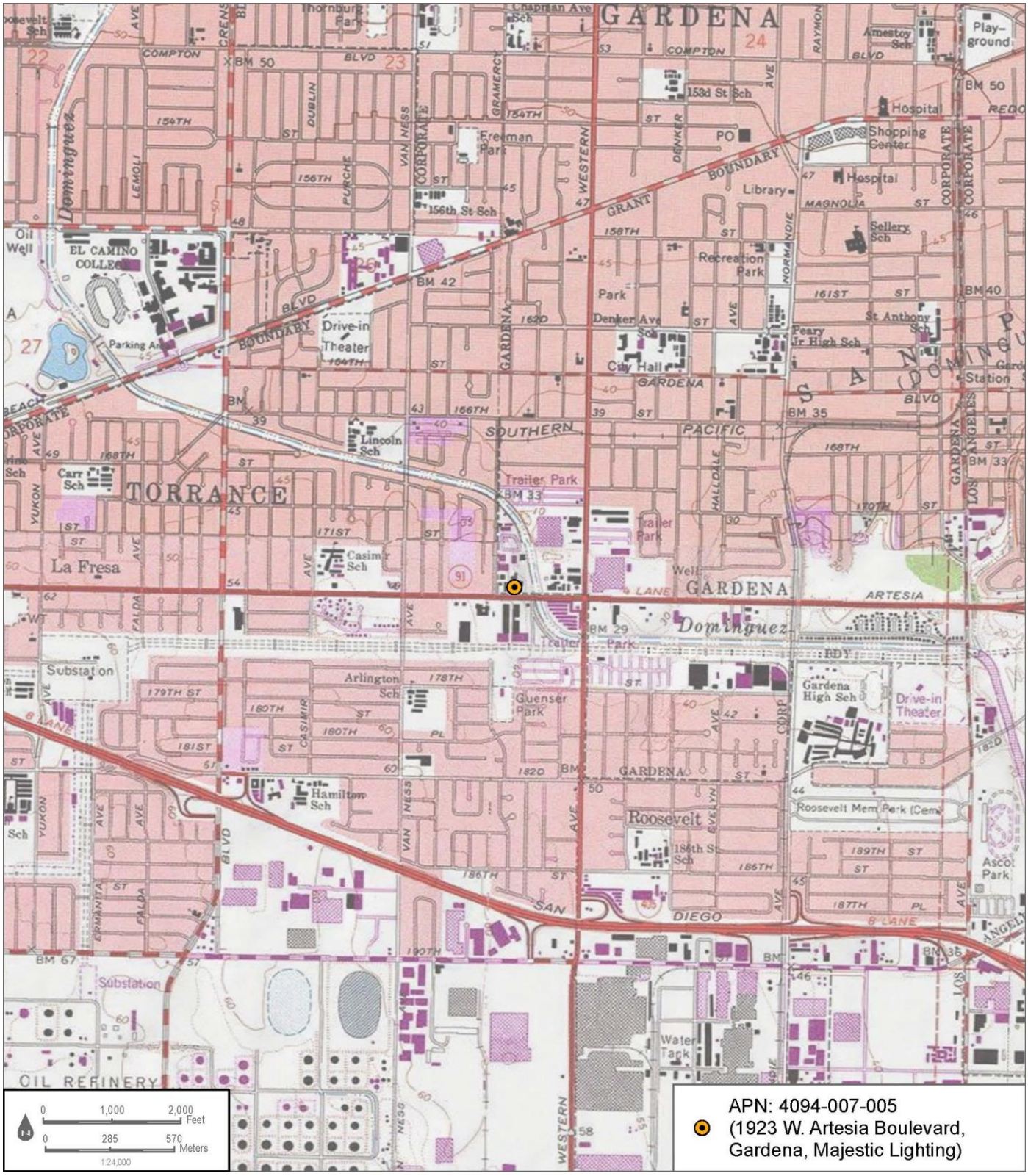
State of California ♘ Natural Resources Agency
DEPARTMENT OF PARKS AND RECREATION

LOCATION MAP

Primary #
HRI#

Trinomial

Page 2 **of** 5 ***Resource Name or #** (Assigned by recorder) 1923 W Artesia Boulevard
***Map Name:** Torrance ***Scale:** 1:24,000 ***Date of map:** 1981



State of California ♄ The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

Primary #
HRI#

BUILDING, STRUCTURE, AND OBJECT RECORD

***Resource Name or #** (Assigned by recorder) 1923 W Artesia Boulevard ***NRHP Status Code** 6Z
Page 3 **of** 5

B1. Historic Name: Unknown
B2. Common Name: Majestic Lighting
B3. Original Use: unknown B4. Present Use: Commercial
***B5. Architectural Style:** Mid-Century Modern
***B6. Construction History:** (Construction date, alterations, and date of alterations)

1957 – originally built
1958 - Install 4-hour fire wall (Permit B3706)
1960 – Interior alteration to add offices and commissary (Permit B7226)
1967 - Install air-conditioning unit (Permit B126867)
1967 - All new electric (Permit E8846)
1967 - Repair fire damage, replace roof structure (Permit B12724)
1994 - Replace roofing, 1994 (Permit 6886)

***B7. Moved?** ■No □Yes □Unknown **Date:** **Original Location:**
***B8. Related Features:** None

B9a. Architect: H.L. Standefer b. Builder: unknown
***B10. Significance: Theme** **Area**
Period of Significance **Property Type** **Applicable Criteria**
(Discuss importance in terms of historical or architectural context as defined by theme, period, and geographic scope. Also address integrity.)

NRHP/CRHR Statement of Significance

In consideration of the Project site's history and requisite integrity, 1923 West Artesia Boulevard is recommended not eligible for listing in the NRHP or CRHR based on the following significance evaluation. (See Continuation Sheet)

B11. Additional Resource Attributes: (List attributes and codes)

***B12. References:**
(See Continuation Sheet)

B13. Remarks:

***B14. Evaluator:** Kate Kaiser
***Date of Evaluation:** 2/15/2019

(Sketch Map with north arrow required.)

(This space reserved for official comments.)

P3a Description (Continued):

bowstring truss system. Exterior wall cladding on the main elevations features mostly smooth yellow-painted concrete with applied stone veneer around the entrance. Several electric lights are affixed to the main elevation. From left to right, fenestration on the main elevation consists of a multi-lite window in metal frame, a glass double door with glass side-lite, and a gated garage door at the far right side. The only other accessible elevation was the east elevation, which was a painted concrete masonry unit (CMU) wall with no decoration or fenestration. The roof system features a rounded, bowstring truss system. The building is set back against the rear portion of the lot, facilitating parking in the paved front of the lot. Near the public right-of-way portion of the lot is the majestic lighting sign, rendered yellow and in the shape of a crown with an "M" on it.

B10. Significance (Continued):

Criterion A/1: Associated with events that have made a significant contribution to the broad patterns of our history.

Archival research did not identify any associations with events that have made a significant contribution to the broad patterns of local or regional history. Neither 1923 West Artesia Boulevard, nor its current tenant Majestic Lighting, are associated with any locally important events in the City of Gardena. Due to a lack of significant associations with events important to history, 1923 West Artesia Boulevard does not appear eligible under NRHP/CRHR Criteria A/1.

Criterion B/2: Associated with the lives of persons significant in our past.

Archival research yielded no known associations with important figures in national, state, or local history. Therefore, 1923 West Artesia Boulevard does not appear eligible under NRHP/CRHR Criteria B/2.

Criterion C/3: Embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction.

1923 West Artesia Boulevard is not a distinctive or remarkable example of the Mid-Century Modern architectural style. H.L. Standefer, the architect listed on the building plans is not identified as a master architect. Further, the building does not possess high artistic value, and is not eligible as a contributor to an historic district. For all of these reasons, 1923 West Artesia Boulevard does not appear eligible under NRHP/CRHR Criteria C/3.

Criterion D/4: Have yielded, or may be likely to yield, information important in prehistory or history.

There is no evidence to suggest that 1923 West Artesia Boulevard has the potential to yield information important to national, state, or local history, nor is it associated with a known archaeological resource. Therefore, 1923 West Artesia Boulevard is recommended not eligible under NRHP/CRHR Criterion D/4.

Integrity Discussion

Location: 1923 West Artesia Boulevard is sited on the original location of construction in its original orientation. Therefore, 1923 West Artesia Boulevard retains integrity of location.

Design: 1923 West Artesia Boulevard has not had significant, visible alterations over time that have compromised its integrity of design. It has not changed its layout, architectural style, or decoration since it was constructed in 1957. Therefore, 1923 West Artesia Boulevard retains integrity of design.

Setting: The setting of 1923 West Artesia Boulevard remains relatively unchanged since its construction in 1957. The north side of West Artesia Boulevard was populated between 1954 and 1960, and the size, massing, scale and types of businesses have not changed in subsequent years. Therefore, 1923 West Artesia Boulevard retains integrity of setting.

Materials: 1923 West Artesia Boulevard has not had significant, visible exterior alterations over time that have compromised its integrity of materials. This is corroborated by the list of alterations on file with the City of Gardena's Community Development Department. Therefore, 1923 West Artesia Boulevard retains integrity of materials.

Workmanship: Similar to the issue with materials, the little physical evidence of workmanship in constructing 1517 North Vermont Avenue has not been altered on the exterior. Evidence of original workmanship, including the stone veneer decoration, are still present. Therefore, 1923 West Artesia Boulevard retains integrity of workmanship.

Feeling: 1923 West Artesia Boulevard retains integrity of still successfully conveys the feeling of being a 1950s Mid-Century Modern small-scale commercial building, and has not experienced significant alterations that would subsequent significantly impact the buildings' ability to convey this feeling. Therefore, the 1923 West Artesia Boulevard retains integrity of feeling.

Association: No important historical associations with events or people were identified for the subject property.

In summary, 1923 West Artesia Boulevard retains integrity of retains most of the aspects of integrity including integrity of location, design, setting, materials, workmanship, and feeling. However, the subject property appears not eligible under all NRHP and CRHR designation criteria for lack of important associations and lack of distinctive characteristics of a style or a master architect.

B12. References (Continued):

LAC Office of the Assessor. 2019. "Property Assessment Information System (PAIS)." Accessed January 8, 2019. http://maps.assessor.lacounty.gov/GVH_2_2/Index.html?configBase=http://maps.assessor.lacounty.gov/Geocortex/Essentials/REST/sites/PAIS/viewers/PAIS_hv/virtualdirectory/Resources/Config/Default

State of California ♦ The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

PRIMARY RECORD

Primary #
HRI #
Trinomial
NRHP Status Code: 6Z

Other Listings
Review Code | Reviewer | Date

Page 1 **of** 5 ***Resource Name or #:** (Assigned by recorder) 1931 W. Artesia Boulevard
P1. Other Identifier: E-S MotorSports

*P2. **Location:** ☐ **Not for Publication** ■ **Unrestricted**
*a. **County** Los Angeles **and** (P2c, P2e, and P2b or P2d. Attach a Location Map as necessary.)
*b. **USGS 7.5' Quad** Torrance **Date** 1981 **T** 3S ; **R** 14W ; **Sec** 26 ; San Bernardino **B.M.**
c. Address 1931 W Artesia Boulevard City Gardena Zip 90247
d. UTM: (Give more than one for large and/or linear resources) Zone 11S , 378594.5 mE/ 3748860.1 mN
e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, decimal degrees, etc., as appropriate)
APN: 4094-007-004; 1931 W. Artesia Boulevard is located in the southern portion of the City of Gardena, adjacent to the City of Torrance border. Gardena is in the South Bay region of Los Angeles County, between the Cities of Torrance and Carson. Generally, the Project site is located northwest of the Interstate (I-) 405 and State Route (SR-) 110 intersection and west of the Dominguez Channel. The building is located on a 50 foot-by-150 foot lot fronting on West Artesia Boulevard, among several small-scale automotive and industrial buildings.

***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)
The E-S Technical Motorsports building at 1931 West Artesia Boulevard is located west of the Majestic Lighting lot. The building, constructed in 1954, is a one-story Mid-Century Modern Style commercial building located on a 50 foot-by-150 foot lot fronting on West Artesia Boulevard, among several small-scale automotive and industrial (See Continuation Sheet)

***P3b. Resource Attributes:** (List attributes and codes) HP6 – 1-3 story building

P5a. Photograph or Drawing (Photograph required for buildings, structures, and objects.)

***P4. Resources Present:** ■ Building ☐ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (Isolates, etc.)

P5b. Description of Photo: (view, date, accession #) Overview of the 1931 West Artesia Blvd, Looking northeast, 1/8/2019 (IMG 1733)

***P6. Date Constructed/Age and Source:** ■ Historic ☐ Prehistoric ☐ Both 1954 (LAC Office of the Assessor 2019)

***P7. Owner and Address:**
Present owner unknown

***P8. Recorded by:** (Name, affiliation, and address) Kate Kaiser, Dudek
38 N. Marengo Ave
Pasadena, CA 91101

***P9. Date Recorded:** 2/15/2019

***P10. Survey Type:** pedestrian

***P11. Report Citation**: Dudek. 2019. Cultural Resources Technical Report for the Gardena Pumping Plant Upgrade Project, City of Gardena, Los Angeles County, California. Prepared for the Sanitation Districts of Los Angeles County.

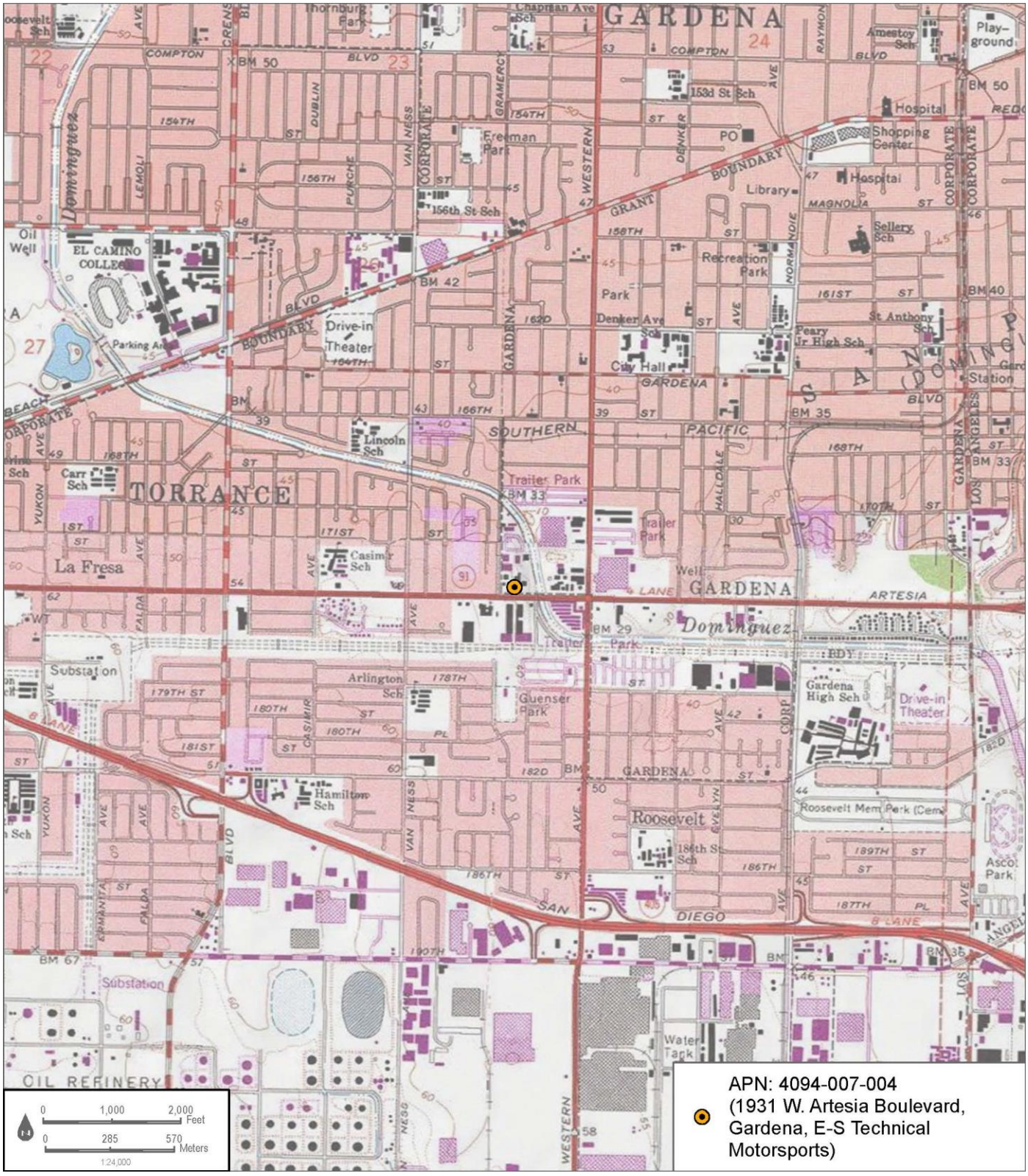
***Attachments:** ☐NONE ■Location Map ■Continuation Sheet ■Building, Structure, and Object Record
☐Archaeological Record ☐District Record ☐Linear Feature Record ☐Milling Station Record ☐Rock Art Record
☐Artifact Record ☐Photograph Record ☐ Other (List):

State of California ♘ Natural Resources Agency
DEPARTMENT OF PARKS AND RECREATION

LOCATION MAP

Primary #
HRI#
Trinomial

Page 2 **of** 5 ***Resource Name or #** (Assigned by recorder) 1931 W. Artesia Boulevard
***Map Name:** Torrance ***Scale:** 1:24,000 ***Date of map:** 1981



State of California ♄ The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

Primary #
HRI#

BUILDING, STRUCTURE, AND OBJECT RECORD

***Resource Name or #** (Assigned by recorder) 1931 W. Artesia Boulevard ***NRHP Status Code** 6Z
Page 3 **of** 5

B1. Historic Name: unknown
B2. Common Name: E-S MotorSports
B3. Original Use: unknown B4. Present Use: Commercial
***B5. Architectural Style:** Mid-Century Modern
***B6. Construction History:** (Construction date, alterations, and date of alterations)
1954 – originally constructed

No observed alterations, recorded alteration are for interior only (See Continuation Sheet)

***B7. Moved?** ■**No** □**Yes** □**Unknown** **Date:** _____ **Original Location:** _____
***B8. Related Features:** None

B9a. Architect: unknown b. Builder: unknown
***B10. Significance: Theme** _____ **Area** _____
Period of Significance _____ **Property Type** _____ **Applicable Criteria** _____
(Discuss importance in terms of historical or architectural context as defined by theme, period, and geographic scope. Also address integrity.)

NRHP/CRHR Statement of Significance
In consideration of the Project site's history and requisite integrity, 1931 West Artesia Boulevard is recommended not eligible for listing in the NRHP or CRHR based on the following significance evaluation. (See Continuation Sheet)

B11. Additional Resource Attributes: (List attributes and codes) _____

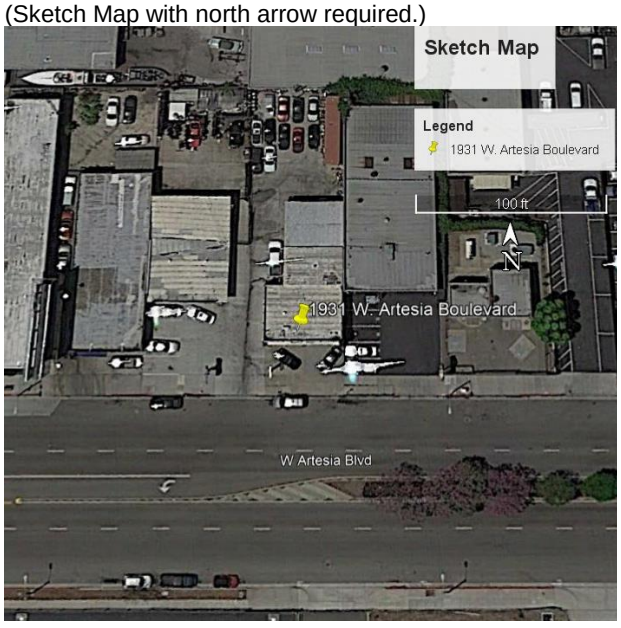
***B12. References:**
(See Continuation Sheet)

B13. Remarks:

***B14. Evaluator:** Kate Kaiser
***Date of Evaluation:** 2/15/2019

(This space reserved for official comments.)

(Sketch Map with north arrow required.)



P3a Description (Continued): buildings, as well as the Gardena Pumping Plant. The building features a rectangular plan, with an addition on the north elevation. The roof system appears flat, with a high parapet wall on the front (south) elevation and side elevations. Exterior wall cladding on the main elevation features smooth white concrete, with red trim decoration, with brick trim at the bottom of the wall. A flat awning, trimmed with red, spans the elevation separating fenestration from signboard. Fenestration consists of two sets of metal framed, 2-lite display windows and two glass doors with a metal framed transom. Red-painted gutters and scuppers are visible on the front elevation, one at either end. The sign consists of a modern metal-framed, LED-lit sign. The entire lot and rear buildings were not visible during the course of survey. The visible portion of the east elevation cladding is red-painted CMU blocks with no fenestration. The visible portion of the west elevation is also red-painted CMU blocks with two one-over-one sash windows, covered with metal security bars. A portion of the east elevation of the rear addition was visible from the public right-of-way and it is red-painted CMU blocks with a white-painted metal roll-up garage door. No other elevations were visible or accessible during the survey. There is some space in the front lot for parking and a signpost, however, the signboard at the top is empty.

B6. Construction History (Continued):

Two alterations were determined from permits, on file at the City of Gardena Community Development Department: interior renovations in 2003 (Permit M0304-008, B0301-055) and permits to install forced air heating/cooling system (Permit M1912) in 2000. No other alterations were noted during the survey.

B10. Significance (Continued):

Criterion A/1: Associated with events that have made a significant contribution to the broad patterns of our history.

Archival research did not identify any associations with events that have made a significant contribution to the broad patterns of local or regional history. Neither 1931 West Artesia Boulevard, its current tenant E-S Technical Motorsports, nor previous tenants, are associated with any locally important events in the City of Gardena. Due to a lack of significant associations with events important to history, 1931 West Artesia Boulevard does not appear eligible under NRHP/CRHR Criteria A/1.

Criterion B/2: Associated with the lives of persons significant in our past.

Archival research yielded no known associations with important figures in national, state, or local history. Therefore, 1931 West Artesia Boulevard does not appear eligible under NRHP/CRHR Criteria B/2.

Criterion C/3: Embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction.

1931 West Artesia Boulevard is not a distinctive or remarkable example of the Mid-Century Modern architectural style. The building also does not have an identified architect, let alone a master architect. Further, the building does not possess high artistic value, and is not eligible as a contributor to an historic district. For all of these reasons, 1931 West Artesia Boulevard does not appear eligible under NRHP/CRHR Criteria C/3.

Criterion D/4: Have yielded, or may be likely to yield, information important in prehistory or history.

There is no evidence to suggest that 1931 West Artesia Boulevard has the potential to yield information important to national, state, or local history, nor is it associated with a known archaeological resource. Therefore, 1931 West Artesia Boulevard is recommended not eligible under NRHP/CRHR Criterion D/4.

Integrity Discussion

Location: 1931 West Artesia Boulevard is sited on the original location of construction in its original orientation. Therefore, 1931 West Artesia Boulevard retains integrity of location.

Design: 1931 West Artesia Boulevard has not had significant, visible alterations over time that have compromised its integrity of design. It has not changed its layout, architectural style, or decoration since it was constructed in 1954. Therefore, 1931 West Artesia Boulevard retains integrity of design.

Setting: The setting of 1931 West Artesia Boulevard remains relatively unchanged since its construction in 1954. The north side of West Artesia Boulevard, between Gramercy Place and the Dominguez Channel, was mostly agricultural land before becoming populated with small-scale commercial buildings between 1954 and 1960. The size, massing, scale and types of businesses have not changed in subsequent years. Therefore, 1931 West Artesia Boulevard retains integrity of setting.

Materials: 1931 West Artesia Boulevard has not had significant, visible exterior alterations over time that have compromised its integrity of materials. This is corroborated by the list of alterations on file with the City of Gardena's Community Development Department. Therefore, 1931 West Artesia Boulevard retains integrity of materials.

Workmanship: Similar to the issue with materials, the little physical evidence of workmanship from builders of 1931 West Artesia Boulevard has not been altered on the exterior. Therefore, 1931 West Artesia Boulevard retains integrity of workmanship.

Feeling: 1931 West Artesia Boulevard still successfully conveys the feeling of being a 1950s Mid-Century Modern small-scale commercial building, and has not experienced significant alterations that would subsequent significantly impact the buildings' ability to convey this feeling. Therefore, the 1931 West Artesia Boulevard retains integrity of feeling.

Association: No important historical associations with events or people were identified for the subject property.

In summary, 1931 West Artesia Boulevard retains integrity of retains most of the aspects of integrity including integrity of location, design, setting, materials, workmanship, and feeling. However, the subject property appears not eligible under all NRHP and CRHR designation criteria for lack of important associations and lack of distinctive characteristics of a style or a master architect.

B12. References (Continued):

LAC Office of the Assessor. 2019. "Property Assessment Information System (PAIS)." Accessed January 8, 2019. http://maps.assessor.lacounty.gov/GVH_2_2/Index.html?configBase=http://maps.assessor.lacounty.gov/Geocortex/Essentials/REST/sites/PAIS/viewers/PAIS_hv/virtualdirectory/Resources/Config/Default

Appendix C

Preliminary Environmental Evaluation

605 THIRD STREET
ENCINITAS, CALIFORNIA 92024
T 760.942.5147 F 760.632.0164

MEMORANDUM

To:	Debra Bogdanoff, Senior Engineer, Facilities and Property Management Section
From:	Nicole Peacock and Audrey Herschberger, Dudek
Subject:	Preliminary Environmental Evaluation for the Gardena Pumping Plant Project
Date:	April 11, 2019
Attachment(s):	Figure 1: Project Location Figure 2: Project Site Figure 3: Potential Environmental Concerns Attachment A – EDR Report Attachment B – Los Angeles County Department of Public Works File Attachment C - Historic Aerial Photographs Attachment D – Historic City Directories

This Preliminary Environmental Evaluation was conducted for the proposed Gardena Pumping Plant project (proposed project), located in the southern portion of the City of Gardena, adjacent to the City of Torrance border. Generally, the project site is located northwest of the Interstate 405 and State Route 110 intersection and west of the Dominguez Channel. Specifically, the project site is located at 1919, 1931, and 1923 W. Artesia Boulevard, Gardena, California, on Los Angeles County assessor parcel numbers 4094-007-903, 4094-007-005, and 4094-007-004 (see Figure 1, Project Location).

The existing Gardena Pumping Plant is composed of two functionally separate pumping plants referred to as the East Plant and West Plant, constructed side by side within two brick buildings. The proposed project includes consolidation of the East and West Plants into one new pumping plant located adjacent to the existing plant to the west (see Figure 2, Project Site). The proposed project would continue to accept flows from the existing trunk sewers; the influent would be directed to one new wet well via improved cross connections. The proposed project's area of disturbance includes the existing plant, the area of the proposed pumping plant, and a portion of the roadway at Artesia Boulevard.

The proposed project would generally include the following components:

- Replacement of plant superstructure
- Replacement of pumps
- Deep excavation for a new dry/wet well (approximately 40 feet below ground surface [bgs])
- Replacement of the diesel-powered backup generator
- Improvement of force mains and cross connections
- Associated equipment upgrades

The objective of this preliminary environmental evaluation is to determine if there are any potential environmental concerns associated with the proposed project. This preliminary environmental evaluation consists of a review and summary of regulatory agency records, historical city directories, and historical aerial photographs. This preliminary

environmental evaluation is not a phase I environmental site assessment as described in American Society for Testing and Materials (ASTM) 1527-13.

Physical Setting

Geological information was obtained from the GeoCheck® section of the Environmental Data Resources (EDR) Report (Attachment A), unless otherwise cited. The project site is at an elevation of approximately 39 feet above mean sea level, and the topography of the project site and surrounding area is generally flat. The project site is underlain by urban land component soils, which are described as discontinuous human-transported material over mixed alluviums (USDA 2019).

Dudek consulted the California Department of Water Resources Water Data Library (DWR 2019). Two wells were identified in the same location 0.75 miles east-northeast of the project site.[1] Recent water level data (2018) reported a groundwater depth of approximately 34 feet bgs in the shallow well and approximately 64 feet bgs in the deep well.

Groundwater investigations conducted on adjacent properties to the south (see discussions in Table 1, Project Site Regulatory Database Listings), indicate groundwater on the south side of Artesia Boulevard, adjacent to the project site, to be at a depth of approximately 22 to 28.5 feet bgs, with an east-northeasterly flow direction (EMS 2012; AECOM 2012).

The project site and the adjacent properties to the east, west, and north are zoned C-3, General Commercial, by the City of Gardena (City of Gardena 2018). The Artesia Boulevard right-of-way is adjacent to the existing plant to the south. Properties on the south side of Artesia Boulevard are zoned M1, Light Manufacturing, and M2, Heavy Manufacturing, by the City of Torrance (City of Torrance 2015).

Regulatory Records

A search of regulatory records was conducted by EDR on March 6, 2019 (EDR report, Attachment A). The search was conducted for the project site, and includes a 0.25-mile, a 0.5-mile, and a 1-mile search radius as defined in the records review requirements of the ASTM 1527-13 standard. The EDR report gives a listing of sites within the defined search radii that are listed on one or more environmental regulatory databases. Information in these listings includes the site name, location of the site relative to the project site, regulatory database listing, and status of the listed site.

A total of 83 listings were identified in the EDR report. Some of the sites were identified in more than one regulatory database. The number of listings and their proximity to the project site are as follows:

- 16 listings were identified within a 0.125-mile radius
- 38 listings between a 0.125-mile and a 0.25-mile radius
- 19 listings between a 0.25-mile and a 0.5-mile radius
- 10 listings were identified between a 0.5-mile and a 1-mile radius of the proposed project

Of these listings, 39 were identified in databases that are used for permitting, inventory, and regulatory compliance purposes and do not indicate a release of hazardous substances or petroleum products to the environment. The

[1] Groundwater level stations 338765N1182999W001 and 338765N1182999W002.

remaining listings were identified in regulatory databases that identify sites with known or suspected environmental contamination. The regulatory databases identified are summarized in the EDR report (Attachment A).

Dudek reviewed the listings, their distance from the project site, and their known environmental conditions (e.g., groundwater depth and flow direction), and it identified listings that are considered potential environmental concerns to the proposed project. Table 1 summarizes the listings adjacent to the project site and whether Dudek identifies them as potentially impacting the environmental conditions of the project site. Listings not adjacent to the project site have the distance indicated below the address. The additional sites not discussed in Table 1 were reviewed by Dudek and were determined not likely to impact the proposed project.

Table 1. Project Site Regulatory Database Listings

Business Name, Address	Database(s)	Details	Identified Environmental Concern
Sears Roebuck and Company 1917 Artesia Boulevard	CA LUST CA Hist Cortese CA SWEEPS UST	A gasoline release was identified following an underground storage tank (UST) removal in 1989. The case was closed by the regulatory agency in 1996, despite the presence of residual total petroleum hydrocarbons in soil (at 9,300 milligrams per kilogram) and benzene in the shallow groundwater (at 35 micrograms per liter [□g/L]). Dudek reviewed the file for this case, which maintained by the Los Angeles County Department of Public Works (Attachment B). The maps noting the presence of the former UST were not clear: The former UST could have been adjacent to the project site.	Yes, see discussion following Table 1.
Thiem Industries (aka Momin Lodge, former Thiem facility) 1918 Artesia Boulevard	CA Response CA EnviroStor CA LUST CA Cortese CA Hist Cortese RCRA-LQG CA Hist UST	The site is a former metals manufacturing facility, which operated from 1959 to 1994. A series of leaking USTs (LUSTs) and aboveground storage tanks contaminated the soil and groundwater beneath the site; the potential contaminants of concern include 1,4-dioxane, lead, naphthalene, diesel, and volatile organic compounds (VOCs). Indoor air and soil vapor are also potentially contaminated. Investigations began in 2008, including a remedial investigation (RI) conducted in 2012 (EMS 2012). The RI reported shallow groundwater at an elevation of 17.0 feet above mean sea level (approximately 22 feet bgs), with a northeasterly flow direction. The RI also reported groundwater beneath the site to be contaminated with tetrachloroethylene (PCE) and trichloroethylene (TCE) above regulatory cleanup levels. The site is still undergoing remediation, but the responsible party has filed for bankruptcy, and the regulatory agency (Department of Toxic Substance Control [DTSC]) designated it an “orphan site” in 2017.	Yes, see discussion following Table 1.

Table 1. Project Site Regulatory Database Listings

Business Name, Address	Database(s)	Details	Identified Environmental Concern
ALS Industries Inc. 1942 West Artesia Boulevard (100 feet southwest)	CA Response CA EnviroStor	An investigation conducted on an adjoining site identified chlorinated VOCs (CVOCs) on the ALS Industries (ALS) property. Further investigation confirmed that the contamination was not caused by ALS operations, but instead by operations at a nearby property (see Freeman Products, following). The site received a No Further Action designation in 2013, which stated the VOC contamination did not appear to be attributed to ALS operations, and the site did not appear to pose a threat to human health or the environment under its current land use (DTSC 2013). Groundwater contamination may still be present beneath the site. A 2012 RI (AECOM 2012) reports groundwater flows in an east-northeasterly direction, towards the project site.	No
Freeman Products/Avnet Inc. (Freeman) 2040 Artesia Boulevard (670 feet west-southwest)	CA Response CA EnviroStor CA CPS-SLIC CA Cortese LA Co. Site Mitigation RCRA-LQG FINDS ECHO CA EMI	This site has an open cleanup file with the DTSC, active as of 2008. The site was a former metal plating and jewelry manufacturing facility, followed by a trophy and award manufacturing facility. The site is now a church. Historical operations resulted in CVOC contamination to soil, soil gas, and groundwater beneath the site, which has migrated eastward on three adjacent properties (2000 Artesia Boulevard, 1942 Artesia Boulevard, and 1918 Artesia Boulevard). The most-recent groundwater report (Ramboll 2018) reported groundwater at a depth of 23.75 to 28.56 feet bgs, with a northeasterly flow direction. Groundwater monitoring occurs on the Freeman site, as well as the three adjacent sites to the east. The most-recent groundwater data (second quarter, 2018) reports TCE, PCE, 1,1-dichloroethene (1,1-DCE), and 1,4-dioxane above applicable regulatory screening levels (California Maximum Contaminant Levels [MCLs] for Drinking Water for TCE, PCE, and 1,1-DCE, and California Department of Health Services [CDHS] Notification Level (NL) for 1,4-dioxane).	Yes, see discussion following Table 1.

The former Freeman and Thiem Industries (Thiem) sites, located at 2040 Artesia Boulevard and 1918 Artesia Boulevard, respectively, are located south and southwest of the project site (see Figure 3, Potential Environmental Concerns). Historical operations at Freeman and Thiem have contributed to CVOC contamination in groundwater, which is currently under remediation, but still above regulatory screening levels. Recent groundwater data (as cited in Table 1) indicates the CVOC contamination is present beneath the Freeman and Thiem sites, as well as the two sites in between. Figure 3 includes the locations of the nearest groundwater monitoring wells for the Freeman and Thiem sites and the reported CVOC contamination above the applicable screening levels (California MCLs for drinking water are 5 μg/L for TCE and PCE, 6 μg/L for 1,1-DCE; the CDHS NL is 1 μg/L for 1,4-dioxane). Groundwater

has been reported at depths of approximately 22 to 28.5 feet bgs. The closest wells to the project site had elevated concentrations of CVOCs, and because no data exist within or along Artesia Boulevard, which separates the release sites from the project site, there is a data gap. It is possible that impacted groundwater from these release sites has migrated to the area under Artesia Boulevard and possibly under the project site.

As noted in Table 1, the adjacent site to the east (1917 W. Artesia Boulevard) has residual soil and groundwater impacts caused by a release from a former gasoline UST. Although the release case received agency closure, it did so with 35 µg/L benzene detected in the groundwater and 9,500 milligrams per kilogram total petroleum hydrocarbons detected in soil. The former UST may be immediately adjacent to the project site. Therefore, it may be possible that gasoline-impacted soil and/or groundwater is present under the project site.

Additionally, construction of the proposed project would require excavation up to 40 feet bgs. This excavation would encounter groundwater, and therefore require dewatering, which could potentially cause drawdown and subsequent migration of the contaminated groundwater onto the project site. Based on the proposed project components, the groundwater contamination beneath these sites poses a potential environmental concern to the proposed project.

Online Regulatory Databases

Dudek consulted available online databases that provide environmental information on facilities and sites in the State of California. Table 2, Online Database Listings, provides a summary of the databases searched.

Table 2. Online Database Listings

Database	Details
California Environmental Protection Agency (CalEPA) https://siteportal.calepa.ca.gov/nsite/	The CalEPA Regulated Site Portal is a website that combines data about environmentally regulated sites and facilities in California into a single, searchable database and interactive map. Data sources include California Environmental Reporting System, EnviroStor, GeoTracker, California Integrated Water Quality System, and Toxics Release Inventory.
Department of Toxic Substance Control (DTSC) EnviroStor https://www.envirostor.dtsc.ca.gov/	The DTSC's data management system is for tracking cleanup, permitting, enforcement, and investigation efforts at hazardous waste facilities and sites with known contamination or sites where there may be reasons for further investigation.
Regional Water Quality Control Board (RWQCB) GeoTracker http://geotracker.waterboards.ca.gov/	The California RWQCB's data management system is for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater. GeoTracker contains records for sites that require cleanup, various unregulated projects, and permitted facilities. Sites include LUST, Department of Defense, Cleanup Program, Irrigated Lands, Oil and Gas Production, Permitted USTs, and Land Disposal Sites.
National Pipeline Mapping System https://www.npms.phmsa.dot.gov/	The National Pipeline Mapping System Public Map Viewer is a web-based application designed to assist the general public with displaying and querying data related to gas transmission and hazardous liquid pipelines, liquefied natural gas plants, and breakout tanks under Department of Transportation Pipeline and Hazardous Material Safety Administration jurisdiction.

Thirty-one additional sites were identified on the CalEPA database within a 1-mile radius of the project site. These sites are listed for compliance purposes, specifically hazardous material and waste permits, chemical storage permits, air quality permits, and stormwater discharge permits. There is no indication, based on the information provided, that there has been an unregulated release of hazardous substances or petroleum products to the environment.

No additional sites were identified in the DTSC or RWQCB databases within a 1-mile radius of the project site[2] beyond those identified in Table 1. No pipelines or associated features were identified on the National Pipeline Mapping System database within a 1-mile radius of the project site.

Aerial Photographs

Historical aerial photographs (Attachment C) were reviewed to determine if there was evidence of recognized environmental conditions on the project site. Historical aerial photographs from 1928, 1938, 1947, 1952, 1963, 1970, 1977, 1983, 1989, 1994, 2002, 2005, 2009, 2012, and 2016 were reviewed. Observations are presented in Table 3, Historical Aerial Photograph Review.

Table 3. Historical Aerial Photograph Review

Date	Observations
1928, 1938	The project site appears to be developed with a small building on the same parcel as the current pumping station. The western portion of the project site appears agriculturally developed. According to site history (Dudek 2019), the building is likely the East Plant, which was constructed, along with Force Main No. 1, in 1928. The property adjacent to the west is agriculturally developed with apparent row crops similar to those on the western portion of the project site. The property adjacent to the east appears undeveloped, and a canal traverses the site. Artesia Boulevard is located to the south. The surrounding area is mainly agriculturally developed.
1947	The Dominguez Channel has been constructed to the east of the project site. The project site and surrounding property uses appear similar as compared to the 1938 aerial photograph.
1952	The project site and land immediately to the east and west along Artesia Boulevard appear disturbed; structures and vegetation have been removed, with the exception of a tree line leading northward from Artesia Boulevard through the project site and near the existing structure. Structures are located on the properties to the south, on the south side of Artesia Boulevard. Commercial and residential development in the area has increased.
1963	The eastern portion of the project site appears to be under construction, where the current pumping station is located. There are structures in the center and on the east side of the property, but they do not appear to be complete. According to site history, the West Plant and Force Main No. 2 were constructed in 1960 (Dudek 2019). The western portion of the project site is developed with at least one L-shaped commercial structure. The main structure appears to cover portions of both of the western parcels. Smaller structures are located around the main building. Artesia Boulevard appears to be a divided roadway. The property adjacent to the east is bare land, but appears to be used for material or vehicle storage/parking. The property adjacent to the west is developed with commercial buildings. Two large commercial buildings are located on the south side of Artesia Boulevard. Trailer parks are observed to the north and southeast, adjacent to Dominguez Channel. Residential properties are observed beyond the commercial areas in all directions.

[2] LUST sites on the RWQCB database were only researched within a 0.5-mile radius of the project site, as per the ASTM 1527-13 standard.

Table 3. Historical Aerial Photograph Review

Date	Observations
1970	The project site appears to be developed with the currently existing buildings, pavement, and roadways (i.e., Artesia Boulevard). An additional structure is located in the northwest corner of the project site. Surrounding development has increased slightly; land uses appear similar to those observed in the 1963 aerial photograph.
1977	Two new structures are observed on the property to the northeast of the project site, north of the current pumping station. Both appear to be commercial structures. The surrounding areas appear similar as compared to the 1970 aerial photograph.
1983, 1989, 1994, 2002	The project site and adjoining properties remain apparently unchanged as compared to the 1977 aerial photograph. The surrounding area land use appears consistent, with slight variations in commercial structures in the surrounding areas (i.e., demolition and reconstruction of some properties greater than 500 feet from the project site).
2005	The northeastern-most structure on the project site has been removed, replaced with a paved ground surface. The main structure is now composed of two rectangles, side by side and offset north–south. The remainder of the project site and surrounding area appears unchanged as compared to the 2002 aerial photograph.
2009, 2012, 2016	The northern half of the building on the southern adjacent property (south of Artesia Boulevard) has been demolished. The southern half of the commercial structure is still present. The land appears under demolition in 2009, covered in grass in 2012, and is paved parking in 2016. The project site and remaining adjacent properties appear similar as compared to the 2005 aerial photograph, and appear to reflect current site conditions.

City Directories

City Directory listings were requested from EDR (Attachment D). The directories provide insight on historical uses of properties. The project site addresses and nearby addresses were requested. Table 4, Historical City Directory Review, provides a summary of the findings for the project site and surrounding properties with commercial and/or industrial listings of interest.

Table 4. Historical City Directory Review

Address	Date	Listing
Project Site		
1931 W Artesia Boulevard	1970	Bird (Byrd) Rug & Upholstery Cleaners
	1976	Moores Jim Carpet & Furniture Cleaners
	1981, 1990, 1995	Drag Bike Engineering
	2010	Perfection Audio
	2014	E S Technical Roadsports, Inc. Ronin Tactical Group, Inc.
1923 W Artesia Boulevard	1976, 1986, 1990, 1995	Spherical Products Co. (ball manufacturing)
	2001	Hoang, Thinh
	2010, 2014	Majestic Lighting Inc.

Table 4. Historical City Directory Review

Address	Date	Listing
Surrounding Properties		
1918 Artesia Boulevard (south of project site)	1970, 1971, 1980, 1981, 1985, 1986, 1990, 1991, 1995	Thiem Industries Schauwecker HE and Associates (1970 only)
	1995, 2001	ALS Industries
	2001, 2010, 2014	Momin Lodge
1942 Artesia Boulevard (SW of project site)	1970	ITT Hayes
	1995	ALS Industries Inc.
	2010, 2014	RDS Industries, Inc. Richard Duane Smith Foundation ALS Industries, Inc. Shaver Auto Restoration, LLC Torrance Wood Products, Inc. (2010 only)
1917 Artesia Boulevard (NE of project site)	1990	Jack & Tods Auto Body & Painting (see also 17360 Gramercy Place)
	1995, 2001	Sam's Heavy Equipment Painting
	2010, 2014	Sam's Heavy Equipment Painting Kaz Motors
1915 Artesia Boulevard (NW of project site)	1990, 1995	Sam's Towing Kedar Auto Sales (1990 only)
	2001	Ajuniteo
	2010, 2014	Kaskanian Enterprises, Inc.
1935 Artesia Boulevard (west of project site)	1970, 1976, 1981, 1986, 1990	Schuchard Automatic Transmission Exchange
	1995, 2001	Lifetime Transmission
	2010, 2014	M&T Auto (2010 only) El Tapatio Center
1939 Artesia Boulevard (west of project site)	1990, 1995, 2001	Nippon Automotive
	2014	M&T Auto
1957 Artesia Boulevard (west of project site	1970	Lerner Oil Co, Inc.
	1995	Safelite Auto Glass Able Auto
	2001	El Tapatio Tires
	2010	Sun Smog Corp Able Auto Repair Moreno, Hector
	2014	Hex Muffler Shop Able Auto Repair Sunnyken Inc. Sun Smog Corp Serrano, Oswaldo Misael

Table 4. Historical City Directory Review

Address	Date	Listing
17212 Gramercy Place (NW of project site)	1957, 1958, 1962, 1964, 1967, 1971, 1975, 1980, 1981	B&T Machine Inc.
	2001, 2010, 2014	Mest Ralph D and Son Antique Auto Repair
17224 Gramercy Place (NW of project site)	1985, 1986, 1990, 1991, 1995	Sweeney Engineering Corp
	2001	Sweeney
	2010, 2014	Gramercy Aerospace Manufacturing, LLC
17360 Gramercy Place (NW of project site)	1981	Jack & Tod S Auto Body & Painting
	1990, 1995	TME (1990 only) Florod Corp
	2001	No listing
	2014	Guadagni, Tony

Based on the findings of the city directories, the project site and surrounding areas have been used for commercial and light-industrial purposes since at least 1970. In the 1970s, the project site was used for upholstery cleaning, which likely included solvent dry cleaning. The project site was also used for ball manufacturing, which likely involved the use of some chemicals, from the 1970s until the 1990s. Additional site uses noted in the City Directory appear to be related to office or commercial uses.

Summary and Conclusions

The existing Gardena Pumping Plant is located northwest of the I-405 and SR-110 intersection and west of the Dominguez Channel, at 1919 Artesia Boulevard, Gardena, California 90274, Los Angeles County assessor parcel number 4094-007-903. The proposed project includes consolidation of the East and West Plants into one new pumping plant located adjacent to the existing plant to the west. The proposed project would continue to accept flows from the existing trunk sewers; the influent would be directed to one new wet well via improved cross connections. The proposed project's area of disturbance includes the existing plant, the property of the proposed pumping plant (west of the existing plant and encompassing the parcels that makes up 1923 and 1931 Artesia Boulevard, assessor parcel numbers 4094-007-005 and 4094-007-004, respectively), and a portion of the roadway at Artesia Boulevard. Excavation for the new wet well would be to approximately 40 feet bgs.

The project site has been developed since at least 1928. The East Plant and Force Main No. 1 were constructed in 1928, the West Plant and Force Main No. 2 were constructed in 1960, and Force Main No. 3 was constructed in 1995. The property of the proposed pumping plant was agricultural land prior to commercial/light-industrial development beginning in at least 1963. Artesia Boulevard has been present since at least 1928, with redevelopment from a two-lane road to a four-lane divided road between 1952 and 1963. The immediately adjacent properties are commercial to the north, east, and west, and industrial to the south.

Government Code Section 65962.5 requires the California Environmental Protection Agency (CalEPA) to compile a list of hazardous waste and substances sites (Cortese List). While the Cortese List is no longer maintained as a single list, the following databases provide information that meets the Cortese List requirements:

1) List of hazardous waste and substances sites from DTSC EnviroStor database (Health and Safety Codes 25220, 25242, 25356, and 116395);
2) List of open, active LUST sites by county and fiscal year from the State Water Resources Control Board (Water Board) GeoTracker database (Health and Safety Code Section 25295);
3) List of solid waste disposal sites identified by the Water Board with waste constituents above hazardous waste levels outside the waste management unit (Water Code Section 13273(e) and California Code of Regulations Title 14, Section 18051);
4) List of "active" cease and desist orders and cleanup and abatement orders from the Water Board (Water Code Sections 13301 and 13304); and
5) List of hazardous waste facilities subject to corrective action pursuant to Health and Safety Code Section 25187.5, identified by DTSC.

Multiple sites were identified on Cortese List databases within a 1-mile radius of the project site; however, the project site was not listed. The project site is adjacent to 1917 Artesia Boulevard address, which was listed in the Water Board's LUST database; however, the release case has been closed.

Table 1 details listings adjacent to the project site and listings that Dudek believes may impact the environmental conditions of the proposed project, based on distance from the project site, known groundwater gradients, and status of the identified listing. However, the information reviewed is not conclusive of an impact to the project site. The following sites were determined to be potential environmental concerns to the proposed project:

- The adjacent site to the east (1917 W. Artesia Boulevard) was the former location of a gasoline UST. Following UST removal in 1987, residual soil and groundwater impacts were identified beneath the former UST. Although the release case received agency closure, it did so with 35 μg/L benzene detected in the groundwater. The location of the former UST is not known because of the poor figures in the UST case reports; it may be immediately adjacent to the project site. Therefore, it is possible that gasoline-impacted soil and/or groundwater is present under the project site.
- The former Freeman and Thiem sites, located at 2040 Artesia Boulevard and 1918 Artesia Boulevard, respectively, are located south and southwest of the project site (see Figure 3). Historical operations at Freeman and Thiem have contributed to CVOC contamination in groundwater, which is currently under remediation but still above regulatory screening levels. Recent groundwater data (as cited in Table 1) indicate the CVOC contamination is present beneath the Freeman and Thiem sites, as well as the two sites in between. Figure 3 includes the locations of the nearest groundwater monitoring wells for the Freeman and Thiem sites and the reported CVOC contamination above the applicable screening levels (California MCLs for drinking water are 5 μg/L for TCE and PCE, 6 μg/L for 1,1-DCE; the CDHS NL is 1 μg/L for 1,4-dioxane). Groundwater has been reported at depths of approximately 22 to 28.5 feet bgs. While data suggest that contaminated groundwater has not migrated north into Artesia Boulevard or the project site, construction of the proposed project would require excavation up to 40 feet bgs. This excavation would encounter groundwater, thereby requiring dewatering, which could potentially cause drawdown and subsequent migration of the contaminated groundwater onto the project site. Based on the proposed

project components, the groundwater contamination beneath these sites poses a potential environmental concern to the proposed project.

In addition, the history of the project site has identified the following items of potential environmental concern:

- Based on the findings of the city directories, the project site and surrounding areas have been used for dry cleaning and manufacturing purposes since at least 1970. These types of industries generally use, store, and dispose of hazardous materials and petroleum products as part of daily business activities. Dry cleaners in the 1970s would have used chlorinated solvents. Based on the potential former use of chlorinated solvents on the project site and other potential chemical use, there is a potential for undocumented environmental contamination to be present, which may impact the project site.
- Based on the age of the structures (pre-1980s) on the project site, there is a potential for asbestos, lead-based paint, and other hazardous building materials, such as polychlorinated biphenyls and mercury, to be present in the building materials. Construction of the proposed project would require demolition of the existing structures on the western portion of the project site.

A hazardous materials management plan, or similar document, should be prepared to manage potentially impacted soils and groundwater encountered during excavation and dewatering. Additionally, air monitoring should occur during excavation activities to protect worker and public health.

Prior to demolition of any structures, a hazardous building materials survey should be conducted. Should hazardous building materials be identified during the survey, a licensed abatement contractor should be hired to properly abate the identified materials in accordance with federal, state, and local laws and regulations.

References

AECOM (AECOM Technology Corporation). 2012. *Remedial Investigation Report, ALS Industries Site, 1942 Artesia Blvd, Torrance, California.* July 10, 2012. https://www.envirostor.dtsc.ca.gov/public/deliverable_documents/1644453287/ALS%20Industries%20RI%20Report-FINAL_1.pdf.

City of Gardena. 2018. Planning Division Zoning Map. January 2018.

City of Torrance. 2015. Community Development Department, City of Torrance Property Zoning Map. July 2015.

DOGGR (California Department of Conservation Division of Oil, Gas, & Geothermal Resources). 2018. Online well finder. Accessed October 17, 2018. https://maps.conservation.ca.gov/doggr/wellfinder/#close.

DTSC (Department of Toxic Substances Control). 2013. *ALS Industries Site, Torrance, California (Site Code: 401486).* January 9, 2013. https://www.envirostor.dtsc.ca.gov/public/deliverable_documents/5631332218/ALS%20NFA%201092013.pdf.

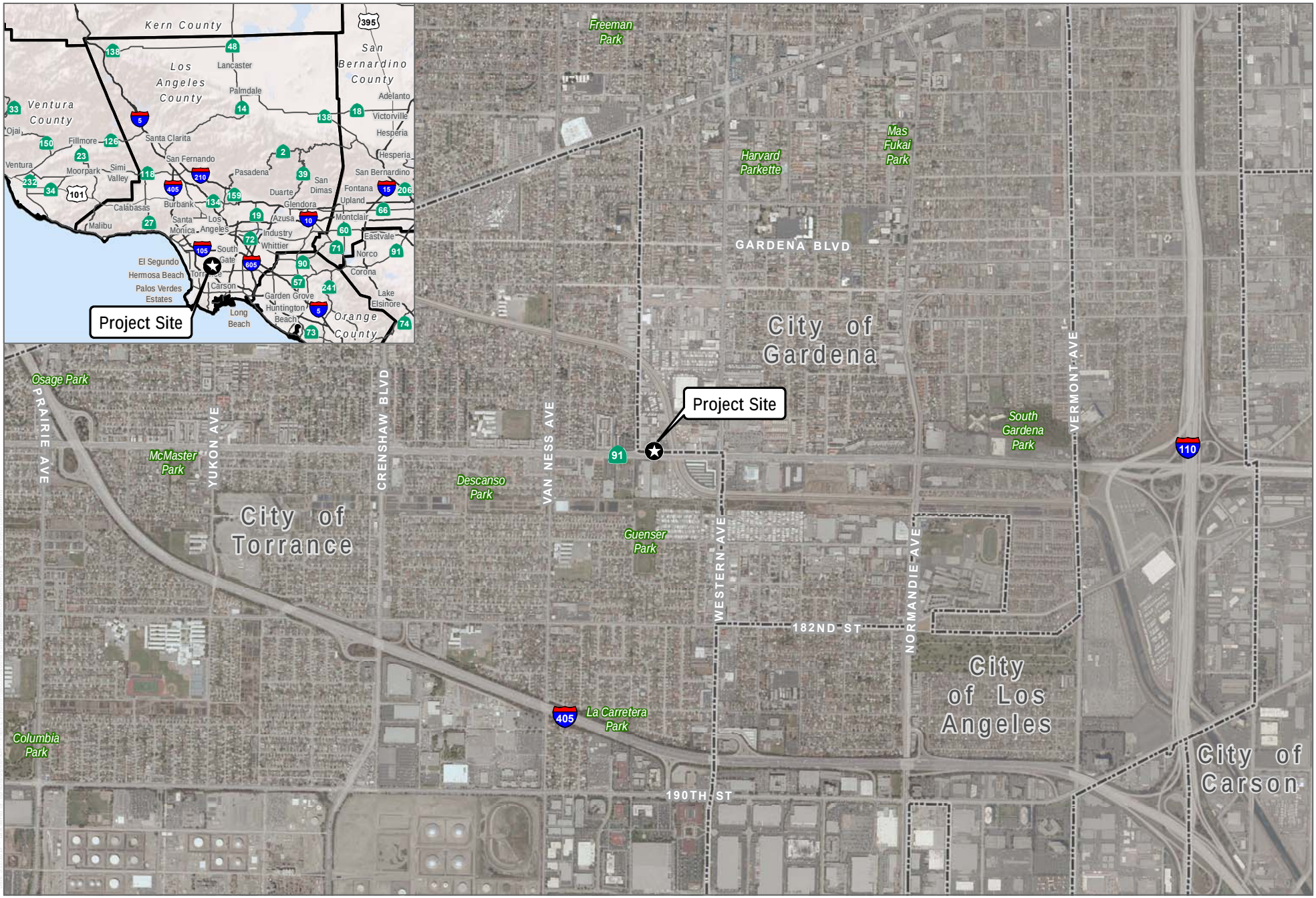
Dudek. 2019. *Gardena Pumping Plant Upgrades, Initial Study/Mitigated Negative Declaration, Project Description, Draft.* February 2019.

DWR (California Department of Water Resources). 2019. Water Data Library. Accessed March 8, 2019. http://wdl.water.ca.gov/waterdatalibrary/.

EMS (Environmental Management Strategies, Inc.). 2012. *Draft Remedial Investigation Report, Former Thiem Industries/Coughmot VII Facility, 1918 West Artesia Boulevard, Torrance, CA*. July 2012. https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60001010&doc_id=60408251.

Ramboll. 2018. *Second Quarter 2018 Groundwater Monitoring Report, Former Freeman Products Facility, 2040 Artesia Boulevard, Torrance, California.* August 2018. https://www.envirostor.dtsc.ca.gov/public/deliverable_documents/7683499991/Avnet%20Q2-18-GWMR%202018-8-14%20Final.pdf.

USDA (U.S. Department of Agriculture). 2019. Natural Resource Conservation Service Web Soil Survey. Accessed March 8, 2019. https://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx.



SOURCE: ESRI; Los Angeles County

DUDEK

0 0.25 0.5 Miles

FIGURE 1

Project Location

Gardena Pumping Plant Upgrades

AERIAL SOURCE: Bing Maps
PROJECT LOCATION: USGS 7.5-Minute Series Torrance Quadrangle, Township 3S; Range 14W; Section 26

DUDEK

0 25 50 Feet

FIGURE 2
Project Location
Gardenia Pump Station

SOURCE: Bing Maps; Los Angeles County

DUDEK

0 100 200 Feet

MW-16A/B: Nearest Former Freeman Products well with concentrations above California MCLs in ug/L (2018)
MW-35A/B: Nearest Thiem Industries well with concentrations above California MCLs in ug/L (2012)

FIGURE 3

Potential Environmental Concerns

Gardena Pumping Plant Upgrades

Attachment A

EDR Report

Gardena Pumping Plant
Not Reported
Gardena, CA 90247

Inquiry Number: 5581670.2s
March 06, 2019

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	301
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting Source Map	A-9
Physical Setting Source Map Findings	A-10
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.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2019 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

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 (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

NOT REPORTED
GARDENA, CA 90247

COORDINATES

Latitude (North):	33.8731220 - 33° 52' 23.23''
Longitude (West):	118.3123160 - 118° 18' 44.33''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	378623.8
UTM Y (Meters):	3748669.0
Elevation:	39 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5633779 TORRANCE, CA
Version Date:	2012
North Map:	5640440 INGLEWOOD, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140513
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
NOT REPORTED
GARDENA, CA 90247

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	SEARS ROEBUCK AND CO	1917 ARTESIA BLVD W	CA LUST, CA HIST CORTESE	Higher	51, 0.010, SSW
A2	SEARS ROEBUCK CO	1917 W ARTESIA BLVD	CA SWEEPS UST	Lower	95, 0.018, East
A3	ALS.	1942 ARTESIA BLVD	CA UST	Higher	130, 0.025, SSW
A4	FORMER THIEM FACILIT	1918 ARTESIA BLVD	RCRA-LQG	Higher	175, 0.033, South
A5	THEIM INDUSTRIES	1918 ARTESIA	CA RESPONSE, CA ENVIROSTOR, CA LUST, CA Cortese,...	Higher	175, 0.033, South
A6	THIEM INDUSTRIES, IN	1918 ARTESIA BLVD	CA HIST UST	Higher	175, 0.033, South
7	ALS INDUSTRIES INCOR	1942 WEST ARTESIA BO	CA RESPONSE, CA ENVIROSTOR	Higher	232, 0.044, WSW
8	FLOROD CORP	17360 S GRAMERCY PL	RCRA-SQG, FINDS, ECHO, CA LOS ANGELES CO. HMS	Higher	251, 0.048, NW
B9	MOMIN LODGE	1918 ARTESIA BLVD	CA UST	Higher	336, 0.064, South
B10	THIEM INDUSTRIES, IN	1918 W ARTESIA BLVD	CA SWEEPS UST, CA HIST UST, CA FID UST, CA EMI	Higher	336, 0.064, South
C11	WESTERN AIR COMPRESS	2001 ARTESIA BLVD	CA UST	Higher	360, 0.068, WSW
D12	FOREIGN BODY WORKS	1843 W ARTESIA BLVD	RCRA-SQG, FINDS, ECHO	Lower	392, 0.074, East
C13	WESTERN AIR COMPRESS	2001 ARTESIA BLVD	SEMS-ARCHIVE	Higher	411, 0.078, West
14	SWEENEY ENGINEERING	17224 GRAMERCY PLACE	RCRA-SQG, FINDS, ECHO, CA EMI, CA HAZNET, CA LOS...	Higher	419, 0.079, NW
15	CARS RADIATOR	1915 W ARTESIA BLVD	RCRA-SQG, FINDS, ECHO, CA LOS ANGELES CO. HMS	Lower	449, 0.085, North
D16	K WATANABE CORP	1837 W ARTESIA	RCRA-SQG, FINDS, ECHO, CA HAZNET	Lower	510, 0.097, East
E17	TESORO 97610 1235	1800 W ARTESIA BLVD	RCRA-SQG, FINDS, ECHO	Lower	745, 0.141, East
E18	ARCO SERVICE STATION	1800 W ARTESIA BLVD	CA SWEEPS UST, CA HIST UST, CA FID UST	Lower	745, 0.141, East
E19	P & THY PETROLEUM	1800 W ARTESIA BLVD	CA UST	Lower	745, 0.141, East
20	SAMS AUTO LAND	17311 S WESTERN AVE	CA HIST UST, CA LOS ANGELES CO. HMS	Lower	781, 0.148, ENE
E21	PRESTIGE STATIONS IN	1800 ARTESIA BLVD	CA HIST UST	Lower	871, 0.165, ESE
E22	ARCO #1235	1800 ARTESIA BLVD W	CA LUST, CA HAZNET, CA HIST CORTESE	Lower	871, 0.165, ESE
F23	AVNET	2040 ARTESIA BOULEVA	RCRA-LQG, FINDS, ECHO, CA EMI	Higher	927, 0.176, SW
F24	FREEMAN PRODUCTS / A	2040 ARTESIA BOULEVA	CA RESPONSE, CA ENVIROSTOR, CA CPS-SLIC, CA...	Higher	927, 0.176, SW
G25	ARCO SERVICE STATION	1800 ARTESIA BLVD	CA UST	Lower	955, 0.181, East
G26	ALBERTSON SHOPPING C	ARTESIA BOULEVARD AN	US BROWNFIELDS, FINDS	Lower	965, 0.183, East
G27	LOS ANGELES COUNTY R	ARTESIA & WESTERN	CA WMUDS/SWAT	Lower	966, 0.183, East
28	GOLDWATER INDUSTRIES	17221 WESTERN AVE S	CA LUST	Lower	975, 0.185, ENE
H29	CONTROL PLATING COMP	17014 GRAMERCY PLACE	CA ENVIROSTOR, CA HIST UST, CA HIST CORTESE, CA...	Lower	983, 0.186, NNW
H30	CONTROL PLATING CO.,	17014 GRAMERCY PLACE	SEMS-ARCHIVE, RCRA-LQG, CA LOS ANGELES CO. HMS	Lower	983, 0.186, NNW
I31	GARDENA HUB	17111 SO WESTERN ST	CA HIST UST	Higher	992, 0.188, NNE
I32	UNITED PARCEL SERVIC	17111 S WESTERN AVE	CA LUST, CA FID UST, CA HIST CORTESE	Higher	992, 0.188, NNE
I33	GARDENA HUB	17111 S WESTERN AVE	CA HIST UST	Higher	992, 0.188, NNE
I34	UNITED PARCEL SERVIC	17111 S WESTERN AVE	CA UST, CA SWEEPS UST, CA LOS ANGELES CO. HMS	Higher	992, 0.188, NNE
J35	HONEYWELL INCORPORAT	17300 WESTERN AVE S	CA LUST, CA CPS-SLIC, CA HIST CORTESE, CA WDS	Lower	1002, 0.190, East
J36	HONEYWELL RESIDENTIA	17300 S WESTERN AVE	CA SWEEPS UST, CA HIST UST, CA EMI	Lower	1002, 0.190, East
J37	HONEYWELL INC	17300 WESTERN AVE.	SEMS-ARCHIVE, RCRA-SQG, CA HIST UST, FINDS, ECHO,...	Lower	1002, 0.190, East
G38	GARDENA-174TH & WEST	174TH & WESTERN	CA WMUDS/SWAT	Lower	1020, 0.193, East
G39	CHEVRON STATION 9244	17400 SOUTH WESTERN	RCRA-SQG, FINDS, ECHO, CA HAZNET	Lower	1053, 0.199, ESE

MAPPED SITES SUMMARY

Target Property Address:
NOT REPORTED
GARDENA, CA 90247

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
G40	CHEVRON USA SS 09244	17400 S WESTERN AVE	CA UST	Lower	1053, 0.199, ESE
G41	A & A CHEVRON #92445	17400 S WESTERN AVE	CA SWEEPS UST, CA HIST UST, CA LOS ANGELES CO. HMS	Lower	1053, 0.199, ESE
G42	CHEVRON #9-2445	17400 WESTERN AVE S	CA LUST, CA EMI, CA HIST CORTESE	Lower	1053, 0.199, ESE
H43	AUTOMOTIVE WELDING I	17008 S GRAMERCY PL	CA SWEEPS UST, CA HIST UST, CA LOS ANGELES CO. HMS	Lower	1074, 0.203, NNW
H44	AUTOMATIC WELDING IN	17008 GRAMERCY PL	CA HIST UST	Lower	1074, 0.203, NNW
K45	ADAMS W BOLTON TRUST	17171 S WESTERN AVE	CA SWEEPS UST, CA HIST UST, CA EMI	Lower	1102, 0.209, NE
K46	HERTZ CORP	17171 S WESTERN AVE	RCRA NonGen / NLR, FINDS, ECHO	Lower	1102, 0.209, NE
L47	HONEYWELL PROPERTY/1	1733 EAST ARTESIA BO	US BROWNFIELDS, FINDS	Lower	1112, 0.211, East
L48	HONEYWELL INTERNATIO	1733 W ARTESIA BLVD	RCRA-SQG	Lower	1112, 0.211, East
M49	JA. USHIJIMA TRUCKIN	17000 GRAMERCY PL	CA HIST UST	Lower	1193, 0.226, NNW
M50	JA USHIJIMA TRUCKING	17000 S GRAMERCY PL	CA LUST, CA HIST UST, CA HIST CORTESE, CA LOS...	Lower	1193, 0.226, NNW
L51	ALBERTSONS 6108	1735 ARTESIA BLVD	RCRA-CESQG	Lower	1221, 0.231, East
52	H.M. GUENSER	GRAMMERCY PLACE, BET	CA SWF/LF	Lower	1222, 0.231, SSE
53	IDEAL THREAD & GAGE	17124 S WESTERN AVE	RCRA-SQG, CA HAZNET, CA LOS ANGELES CO. HMS	Higher	1265, 0.240, NE
54	UNITED PARCEL SERVIC	17105 WESTERN BLVD	NY MANIFEST	Higher	1312, 0.248, NE
55	H.M. GUENSER	17800 SOUTH GRAMERCY	CA SWF/LF	Higher	1481, 0.280, SSW
N56	AUTO CHEK CENTERS	2150 ARTESIA	CA LUST, CA HIST CORTESE	Higher	1580, 0.299, West
57	GARDENA MARKETPLACE	1735, 1711, 1741 170	CA ENVIROSTOR, CA VCP, CA DEED	Lower	1584, 0.300, East
58	ACE TRAILER PARK SIT	17024 S. WESTERN AVE	CA ENVIROSTOR, CA VCP	Higher	1607, 0.304, ENE
N59	HIGGINS BRICK & TILE	2200-2214 W. ARTESIA	CA SWF/LF	Higher	1671, 0.316, West
N60	LANDFILL ASSOCIATES	2200 WEST ARTESIA BO	CA SWF/LF	Higher	1671, 0.316, West
O61	MEREL CO INC	16809 S GRAMERCY PLA	SEMS-ARCHIVE, RCRA-SQG	Lower	1686, 0.319, NNW
O62	INDUSTRIAL MOLDING C	16719 SOUTH GRAMERCY	CA ENVIROSTOR	Lower	1770, 0.335, NNW
O63	INDUSTRIAL MOLDING C	16719 GRAMERCY PLACE	SEMS-ARCHIVE	Lower	1770, 0.335, NNW
P64	CALIFORNIA STREET MA	1918 W 169TH ST	CA SWF/LF, CA LUST, CA HIST CORTESE, CA LOS...	Lower	1823, 0.345, North
P65	ADVANCE WASTE SYSTEM	1916 W. 169TH	CA SWF/LF	Lower	1825, 0.346, North
66	MECHANICAL METAL FIN	17804 S WESTERN AVE	SEMS-ARCHIVE	Higher	1832, 0.347, SE
P67	JJK ROLL OFF	1914 169TH ST.	CA SWF/LF	Lower	1842, 0.349, North
68	IRI DOVER	1859 W. 169 STREET	CA ENVIROSTOR	Lower	1977, 0.374, North
Q69	LUSEAUX LABORATORIES	16816 SOUTH GRAMERCY	CA ENVIROSTOR, CA HIST CORTESE	Higher	2125, 0.402, North
Q70	LUSEAUX LABS	16816 S GRAMERCY PL	SEMS-ARCHIVE, RCRA-SQG, CA HAZNET	Higher	2125, 0.402, North
71	CRENSHAW LUMBER CO	1860 W 166TH ST	CA LUST, CA UST, CA HIST UST, CA HIST CORTESE, CA...	Higher	2373, 0.449, North
72	HIGGINS BRICK & TILE	S OF ARTESIA BTW CAS	CA WMUDS/SWAT	Higher	2398, 0.454, West
73	HARA HEALTH INDUSTRI	16710 WESTERN AVE S	CA LUST, CA HIST CORTESE	Higher	2462, 0.466, NNE
74	FRANCISCO'S CLEANERS	1830 W 182ND ST	CA ENVIROSTOR, CA DRYCLEANERS, CA EMI, LA Co. Site...	Higher	2844, 0.539, SSE
R75	ROADEX CY INC	1515 W 178TH ST	SEMS-ARCHIVE, RCRA-CESQG, CA ENVIROSTOR, FINDS,...	Lower	2945, 0.558, ESE
R76	VACANT	1515 W 178TH ST	CA ENVIROSTOR, CA LOS ANGELES CO. HMS	Lower	2945, 0.558, ESE
77	BUTLER MANUFACTURING	1600 WEST 166TH STRE	CA ENVIROSTOR	Higher	3320, 0.629, NE
78	GARDENA SUMPS	1450 WEST ARTESIA BO	CA RESPONSE, CA ENVIROSTOR, CA LIENS, CA Cortese	Lower	3460, 0.655, East

MAPPED SITES SUMMARY

Target Property Address:
NOT REPORTED
GARDENA, CA 90247

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
79	SONKEN-GALAMBA CORP	1439 WEST 178TH STRE	CA ENVIROSTOR	Higher	3562, 0.675, ESE
80	ALADDIN PLASTICS INC	1415 WEST 178TH STRE	CA ENVIROSTOR	Higher	3780, 0.716, ESE
S81	GARDENA SUMPS	SW CRNR OF NORMANDIE	CA HIST Cal-Sites, CA HIST CORTESE	Lower	3818, 0.723, East
S82	GARDENA SUMPS	SOUTHWEST CORNER OF	CA BOND EXP. PLAN	Lower	3818, 0.723, East
83	NORMANDIE ESTATE	16908 SOUTH NORMANDI	CA ENVIROSTOR, CA VCP	Lower	4318, 0.818, ENE

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

Federal NPL site list

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ---------- National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY ---------- Federal Facility Site Information listing
SEMS ---------- Superfund Enterprise Management System

Federal RCRA CORRACTS facilities list

CORRACTS ---------- Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF ---------- RCRA - Treatment, Storage and Disposal

Federal institutional controls / engineering controls registries

LUCIS ---------- Land Use Control Information System
US ENG CONTROLS ---------- Engineering Controls Sites List
US INST CONTROL ---------- Sites with Institutional Controls

Federal ERNS list

ERNS ---------- Emergency Response Notification System

State and tribal leaking storage tank lists

INDIAN LUST ---------- Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

FEMA UST ---------- Underground Storage Tank Listing

CA AST ..... Aboveground Petroleum Storage Tank Facilities
INDIAN UST ..... Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

INDIAN VCP ..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

CA BROWNFIELDS ..... Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

CA SWRCY ..... Recycler Database
CA HAULERS ..... Registered Waste Tire Haulers Listing
INDIAN ODI ..... Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9 ..... Torres Martinez Reservation Illegal Dump Site Locations
ODI ..... Open Dump Inventory
IHS OPEN DUMPS ..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

CA AOCONCERN ..... Key Areas of Concerns in Los Angeles County
US HIST CDL ..... Delisted National Clandestine Laboratory Register
CA SCH ..... School Property Evaluation Program
CA CDL ..... Clandestine Drug Labs
CA Toxic Pits ..... Toxic Pits Cleanup Act Sites
CA CERS HAZ WASTE ..... CERS HAZ WASTE
US CDL ..... National Clandestine Laboratory Register

Local Lists of Registered Storage Tanks

CA CERS TANKS ..... California Environmental Reporting System (CERS) Tanks

Local Land Records

LIENS 2 ..... CERCLA Lien Information

Records of Emergency Release Reports

HMIRS ..... Hazardous Materials Information Reporting System
CA CHMIRS ..... California Hazardous Material Incident Report System
CA LDS ..... Land Disposal Sites Listing
CA MCS ..... Military Cleanup Sites Listing
CA SPILLS 90 ..... SPILLS 90 data from FirstSearch

Other Ascertainable Records

FUDS ..... Formerly Used Defense Sites
DOD ..... Department of Defense Sites
SCRD DRYCLEANERS ..... State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR ..... Financial Assurance Information

EXECUTIVE SUMMARY

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
DOCKET HWC	Hazardous Waste Compliance Docket Listing
UXO	Unexploded Ordnance Sites
FUELS PROGRAM	EPA Fuels Program Registered Listing
CA CUPA Listings	CUPA Resources List
CA ENF	Enforcement Action Listing
CA Financial Assurance	Financial Assurance Information Listing
CA ICE	ICE
CA HWP	EnviroStor Permitted Facilities Listing
CA HWT	Registered Hazardous Waste Transporter Database
CA MINES	Mines Site Location Listing
CA MWMP	Medical Waste Management Program Listing
CA NPDES	NPDES Permits Listing
CA PEST LIC	Pesticide Regulation Licenses Listing
CA PROC	Certified Processors Database
CA Notify 65	Proposition 65 Records
CA UIC	UIC Listing
CA UIC GEO	UIC GEO (GEOTRACKER)
CA WASTEWATER PITS	Oil Wastewater Pits Listing
CA MILITARY PRIV SITES	MILITARY PRIV SITES (GEOTRACKER)
CA PROJECT	PROJECT (GEOTRACKER)
CA WDR	Waste Discharge Requirements Listing
CA CERS	CERS
CA WIP	Well Investigation Program Case List
CA NON-CASE INFO	NON-CASE INFO (GEOTRACKER)
CA OTHER OIL GAS	OTHER OIL & GAS (GEOTRACKER)
CA PROD WATER PONDS	PROD WATER PONDS (GEOTRACKER)
CA SAMPLING POINT	SAMPLING POINT (GEOTRACKER)

EXECUTIVE SUMMARY

CA 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

CA RGA LF---------- Recovered Government Archive Solid Waste Facilities List
CA 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

Federal CERCLIS NFRAP site list

SEMS-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.

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 12/13/2018 has revealed that there are 7 SEMS-ARCHIVE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WESTERN AIR COMPRESS	2001 ARTESIA BLVD	W 0 - 1/8 (0.078 mi.)	C13	37

Site ID: 0902458 EPA Id: CAD981576564				
MECHANICAL METAL FIN Site ID: 0902208 EPA Id: CAD980889125	17804 S WESTERN AVE	SE 1/4 - 1/2 (0.347 mi.)	66	221
LUSEAUX LABS Site ID: 0902445 EPA Id: CAD981447543	***16816 S GRAMERCY PL***	***N 1/4 - 1/2 (0.402 mi.)***	***Q70***	***225***

Lower Elevation	Address	Direction / Distance	Map ID	Page
CONTROL PLATING CO., Site ID: 0901322 EPA Id: CAD040938565	***17014 GRAMERCY PLACE***	***NNW 1/8 - 1/4 (0.186 mi.)***	***H30***	***113***
HONEYWELL INC Site ID: 0901506 EPA Id: CAD063847529	***17300 WESTERN AVE.***	***E 1/8 - 1/4 (0.190 mi.)***	***J37***	***134***
MEREL CO INC Site ID: 0901228 EPA Id: CAD009574773	***16809 S GRAMERCY PLA***	***NNW 1/4 - 1/2 (0.319 mi.)***	***O61***	***211***
INDUSTRIAL MOLDING C Site ID: 0902332 EPA Id: CAD981413875	16719 GRAMERCY PLACE	NNW 1/4 - 1/2 (0.335 mi.)	O63	216

Federal RCRA generators list

RCRA-LQG: 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.

A review of the RCRA-LQG list, as provided by EDR, and dated 03/01/2018 has revealed that there are 3 RCRA-LQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FORMER THIEM FACILIT EPA ID:: CAR000211110	1918 ARTESIA BLVD	S 0 - 1/8 (0.033 mi.)	A4	12
AVNET EPA ID:: CAD008474348	***2040 ARTESIA BOULEVA***	***SW 1/8 - 1/4 (0.176 mi.)***	***F23***	***69***

Lower Elevation	Address	Direction / Distance	Map ID	Page
CONTROL PLATING CO., EPA ID:: CAD040938565	***17014 GRAMERCY PLACE***	***NNW 1/8 - 1/4 (0.186 mi.)***	***H30***	***113***

EXECUTIVE SUMMARY

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 03/01/2018 has revealed that there are 10 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FLOROD CORP EPA ID:: CAD983670969	***17360 S GRAMERCY PL***	***NW 0 - 1/8 (0.048 mi.)***	***8***	***30***
SWEENEY ENGINEERING EPA ID:: CAD128719234	***17224 GRAMERCY PLACE***	***NW 0 - 1/8 (0.079 mi.)***	***14***	***38***
IDEAL THREAD & GAGE EPA ID:: CAD982321309	***17124 S WESTERN AVE***	***NE 1/8 - 1/4 (0.240 mi.)***	***53***	***174***

Lower Elevation	Address	Direction / Distance	Map ID	Page
FOREIGN BODY WORKS EPA ID:: CAD982010183	***1843 W ARTESIA BLVD***	***E 0 - 1/8 (0.074 mi.)***	***D12***	***35***
CARS RADIATOR EPA ID:: CAD982026551	***1915 W ARTESIA BLVD***	***N 0 - 1/8 (0.085 mi.)***	***15***	***43***
K WATANABE CORP EPA ID:: CAD983618703	***1837 W ARTESIA***	***E 0 - 1/8 (0.097 mi.)***	***D16***	***44***
TESORO 97610 1235 EPA ID:: CAR000233163	***1800 W ARTESIA BLVD***	***E 1/8 - 1/4 (0.141 mi.)***	***E17***	***47***
HONEYWELL INC EPA ID:: CAD063847529	***17300 WESTERN AVE.***	***E 1/8 - 1/4 (0.190 mi.)***	***J37***	***134***
CHEVRON STATION 9244 EPA ID:: CAR000117630	***17400 SOUTH WESTERN***	***ESE 1/8 - 1/4 (0.199 mi.)***	***G39***	***141***
HONEYWELL INTERNATIO EPA ID:: CAR000263988	1733 W ARTESIA BLVD	E 1/8 - 1/4 (0.211 mi.)	L48	164

RCRA-CESQG: 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). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-CESQG list, as provided by EDR, and dated 03/01/2018 has revealed that there is 1 RCRA-CESQG site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
ALBERTSONS 6108 EPA ID:: CAL000384150	1735 ARTESIA BLVD	E 1/8 - 1/4 (0.231 mi.)	L51	170

State- and tribal - equivalent NPL

CA RESPONSE: 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.

A review of the CA RESPONSE list, as provided by EDR, has revealed that there are 4 CA RESPONSE sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
THEIM INDUSTRIES	***1918 ARTESIA***	***S 0 - 1/8 (0.033 mi.)***	***A5***	***13***
Database: RESPONSE, Date of Government Version: 01/28/2019 Status: Active Facility Id: 60001010				
ALS INDUSTRIES INCOR	***1942 WEST ARTESIA BO***	***WSW 0 - 1/8 (0.044 mi.)***	***7***	***26***
Database: RESPONSE, Date of Government Version: 01/28/2019 Status: No Further Action Facility Id: 60001257				
FREEMAN PRODUCTS / A	***2040 ARTESIA BOULEVA***	***SW 1/8 - 1/4 (0.176 mi.)***	***F24***	***74***
Database: RESPONSE, Date of Government Version: 01/28/2019 Status: Active Facility Id: 60000835				

Lower Elevation	Address	Direction / Distance	Map ID	Page
GARDENA SUMPS	***1450 WEST ARTESIA BO***	***E 1/2 - 1 (0.655 mi.)***	***78***	***248***
Database: RESPONSE, Date of Government Version: 01/28/2019 Status: Active Facility Id: 19490135				

State- and tribal - equivalent CERCLIS

CA 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 CA ENVIROSTOR list, as provided by EDR, and dated 01/28/2019 has revealed that there are 17 CA ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
THEIM INDUSTRIES	***1918 ARTESIA***	***S 0 - 1/8 (0.033 mi.)***	***A5***	***13***
Facility Id: 60001010 Status: Active				
ALS INDUSTRIES INCOR	***1942 WEST ARTESIA BO***	***WSW 0 - 1/8 (0.044 mi.)***	***7***	***26***

Facility Id: 60001257 Status: No Further Action				
FREEMAN PRODUCTS / A Facility Id: 60000835 Status: Active	***2040 ARTESIA BOULEVA***	***SW 1/8 - 1/4 (0.176 mi.)***	***F24***	***74***
ACE TRAILER PARK SIT Facility Id: 19880082 Status: Certified	***17024 S. WESTERN AVE***	***ENE 1/4 - 1/2 (0.304 mi.)***	***58***	***206***
LUSEAUX LABORATORIES Facility Id: 19280298 Status: Refer: Other Agency	***16816 SOUTH GRAMERCY***	***N 1/4 - 1/2 (0.402 mi.)***	***Q69***	***224***
FRANCISCO'S CLEANERS Facility Id: 70000171 Status: Refer: 1248 Local Agency	***1830 W 182ND ST***	***SSE 1/2 - 1 (0.539 mi.)***	***74***	***238***
BUTLER MANUFACTURING Facility Id: 19350396 Status: Refer: Other Agency	1600 WEST 166TH STRE	NE 1/2 - 1 (0.629 mi.)	77	247
SONKEN-GALAMBA CORP Facility Id: 60002443 Status: No Action Required	1439 WEST 178TH STRE	ESE 1/2 - 1 (0.675 mi.)	79	280
ALADDIN PLASTICS INC Facility Id: 19280760 Status: Refer: Other Agency	1415 WEST 178TH STRE	ESE 1/2 - 1 (0.716 mi.)	80	281

Lower Elevation	Address	Direction / Distance	Map ID	Page
CONTROL PLATING COMP Facility Id: 71002368 Facility Id: 19340007 Status: Refer: Other Agency	***17014 GRAMERCY PLACE***	***NNW 1/8 - 1/4 (0.186 mi.)***	***H29***	***109***
GARDENA MARKETPLACE Facility Id: 19360536 Status: Certified / Operation & Maintenance	***1735, 1711, 1741 170***	***E 1/4 - 1/2 (0.300 mi.)***	***57***	***181***
INDUSTRIAL MOLDING C Facility Id: 19300084 Status: Refer: Other Agency	16719 SOUTH GRAMERCY	NNW 1/4 - 1/2 (0.335 mi.)	O62	214
IRI DOVER Facility Id: 71002924 Status: Refer: Other Agency	1859 W. 169 STREET	N 1/4 - 1/2 (0.374 mi.)	68	223
ROADEX CY INC Facility Id: 19360136 Status: Refer: Other Agency	***1515 W 178TH ST***	***ESE 1/2 - 1 (0.558 mi.)***	***R75***	***241***
VACANT Facility Id: 19250031 Status: Refer: 1248 Local Agency	***1515 W 178TH ST***	***ESE 1/2 - 1 (0.558 mi.)***	***R76***	***246***
GARDENA SUMPS Facility Id: 19490135 Status: Active	***1450 WEST ARTESIA BO***	***E 1/2 - 1 (0.655 mi.)***	***78***	***248***
NORMANDIE ESTATE Facility Id: 60000892	***16908 SOUTH NORMANDI***	***ENE 1/2 - 1 (0.818 mi.)***	***83***	***298***

Status: No Further Action

State and tribal landfill and/or solid waste disposal site lists

CA SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Integrated Waste Management Board's Solid Waste Information System (SWIS) database.

A review of the CA SWF/LF list, as provided by EDR, has revealed that there are 7 CA SWF/LF sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
H.M. GUENSER	17800 SOUTH GRAMERCY	SSW 1/4 - 1/2 (0.280 mi.)	55	178
Database: LOS ANGELES CO. LF, Date of Government Version: 10/15/2018 Status: Closed Site ID: 2162				
HIGGINS BRICK & TILE	2200-2214 W. ARTESIA	W 1/4 - 1/2 (0.316 mi.)	N59	210
Database: SWF/LF (SWIS), Date of Government Version: 02/11/2019 Operational Status: Closed Facility ID: 19-AA-5101 Regulation Status: Unpermitted				
LANDFILL ASSOCIATES	2200 WEST ARTESIA BO	W 1/4 - 1/2 (0.316 mi.)	N60	211
Database: LOS ANGELES CO. LF, Date of Government Version: 10/15/2018 Status: Closed Site ID: 1976				

Lower Elevation	Address	Direction / Distance	Map ID	Page
H.M. GUENSER	GRAMMERCY PLACE, BET	SSE 1/8 - 1/4 (0.231 mi.)	52	173
Database: SWF/LF (SWIS), Date of Government Version: 02/11/2019 Facility ID: 19-AA-5095				
CALIFORNIA STREET MA	***1918 W 169TH ST***	***N 1/4 - 1/2 (0.345 mi.)***	***P64***	***217***
Database: LOS ANGELES CO. LF, Date of Government Version: 10/15/2018 Status: Active Site ID: 209				
ADVANCE WASTE SYSTEM	1916 W. 169TH	N 1/4 - 1/2 (0.346 mi.)	P65	220
Database: LOS ANGELES CO. LF, Date of Government Version: 10/15/2018 Status: Active Site ID: 341				
JJK ROLL OFF	1914 169TH ST.	N 1/4 - 1/2 (0.349 mi.)	P67	222
Database: LOS ANGELES CO. LF, Date of Government Version: 10/15/2018 Status: Closed Site ID: 320				

EXECUTIVE SUMMARY

State and tribal leaking storage tank lists

CA 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 CA LUST list, as provided by EDR, has revealed that there are 12 CA LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SEARS ROEBUCK AND CO	***1917 ARTESIA BLVD W***	***SSW 0 - 1/8 (0.010 mi.)***	***A1***	***9***
Database: LUST REG 4, Date of Government Version: 09/07/2004				
Database: LUST, Date of Government Version: 12/10/2018				
Status: Completed - Case Closed				
Facility Id: 902470061				
Status: Case Closed				
Global Id: T0603701273				
Global ID: T0603701273				
THEIM INDUSTRIES	***1918 ARTESIA***	***S 0 - 1/8 (0.033 mi.)***	***A5***	***13***
Database: LUST REG 4, Date of Government Version: 09/07/2004				
Database: LUST, Date of Government Version: 12/10/2018				
Status: Completed - Case Closed				
Facility Id: 081189-03				
Status: Leak being confirmed				
Global Id: T0603700103				
Global ID: T0603700103				
UNITED PARCEL SERVIC	***17111 S WESTERN AVE***	***NNE 1/8 - 1/4 (0.188 mi.)***	***I32***	***118***
Database: LUST REG 4, Date of Government Version: 09/07/2004				
Database: LUST, Date of Government Version: 12/10/2018				
Status: Completed - Case Closed				
Facility Id: I-00167				
Status: Case Closed				
Global Id: T0603702681				
Global ID: T0603702681				
AUTO CHEK CENTERS	***2150 ARTESIA***	***W 1/4 - 1/2 (0.299 mi.)***	***N56***	***179***
Database: LUST REG 4, Date of Government Version: 09/07/2004				
Database: LUST, Date of Government Version: 12/10/2018				
Status: Completed - Case Closed				
Facility Id: 905040243				
Status: Case Closed				
Global Id: T0603701498				
Global ID: T0603701498				
CRENSHAW LUMBER CO	***1860 W 166TH ST***	***N 1/4 - 1/2 (0.449 mi.)***	***71***	***230***
Database: LUST REG 4, Date of Government Version: 09/07/2004				
Database: LUST, Date of Government Version: 12/10/2018				
Status: Completed - Case Closed				
Facility Id: I-11308				
Status: Case Closed				
Global Id: T0603703778				
Global ID: T0603703778				
HARA HEALTH INDUSTRI	***16710 WESTERN AVE S***	***NNE 1/4 - 1/2 (0.466 mi.)***	***73***	***234***
Database: LUST REG 4, Date of Government Version: 09/07/2004				
Database: LUST, Date of Government Version: 12/10/2018				

Status: Completed - Case Closed
Facility Id: I-12324
Status: Pollution Characterization
Global Id: T0603703958
Global ID: T0603703958

Lower Elevation	Address	Direction / Distance	Map ID	Page
ARCO #1235	***1800 ARTESIA BLVD W***	***ESE 1/8 - 1/4 (0.165 mi.)***	***E22***	***53***
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 12/10/2018 Status: Open - Remediation Status: Completed - Case Closed Facility Id: 905040034A Facility Id: 905040034 Status: Pollution Characterization Status: Case Closed Global Id: T0603730804 Global Id: T0603701477 Global ID: T0603730804 Global ID: T0603701477				
GOLDWATER INDUSTRIES	17221 WESTERN AVE S	ENE 1/8 - 1/4 (0.185 mi.)	28	108
Database: LUST, Date of Government Version: 12/10/2018 Status: Completed - Case Closed Global Id: T0603777059				
HONEYWELL INCORPORAT	***17300 WESTERN AVE S***	***E 1/8 - 1/4 (0.190 mi.)***	***J35***	***124***
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 12/10/2018 Status: Completed - Case Closed Facility Id: 902470016 Status: Case Closed Global Id: T0603701271 Global ID: T0603701271				
CHEVRON #9-2445	***17400 WESTERN AVE S***	***ESE 1/8 - 1/4 (0.199 mi.)***	***G42***	***148***
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 12/10/2018 Status: Completed - Case Closed Facility Id: I-11704 Status: Remediation Plan Global Id: T0603703836 Global ID: T0603703836				
JA USHIJIMA TRUCKING	***17000 S GRAMERCY PL***	***NNW 1/8 - 1/4 (0.226 mi.)***	***M50***	***167***
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 12/10/2018 Status: Completed - Case Closed Facility Id: I-14716 Status: Case Closed Global Id: T0603704199 Global ID: T0603704199				
CALIFORNIA STREET MA	***1918 W 169TH ST***	***N 1/4 - 1/2 (0.345 mi.)***	***P64***	***217***
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 12/10/2018 Status: Completed - Case Closed				

Facility Id: R-20350
Status: Case Closed
Global Id: T0603705303
Global ID: T0603705303

CA 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 CA CPS-SLIC list, as provided by EDR, has revealed that there are 2 CA CPS-SLIC sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FREEMAN PRODUCTS / A	***2040 ARTESIA BOULEVA***	***SW 1/8 - 1/4 (0.176 mi.)***	***F24***	***74***
Database: SLIC REG 4, Date of Government Version: 11/17/2004 Database: CPS-SLIC, Date of Government Version: 12/10/2018 Facility Status: Open - Inactive Facility Status: Site Assessment Global Id: SL2048X1710				

Lower Elevation	Address	Direction / Distance	Map ID	Page
HONEYWELL INCORPORAT	***17300 WESTERN AVE S***	***E 1/8 - 1/4 (0.190 mi.)***	***J35***	***124***
Database: SLIC REG 4, Date of Government Version: 11/17/2004 Database: CPS-SLIC, Date of Government Version: 12/10/2018 Facility Status: Open - Remediation Facility Status: Site Assessment Global Id: SLT4L6881853				

State and tribal registered storage tank lists

CA 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 CA UST list, as provided by EDR, has revealed that there are 7 CA UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ALS.	1942 ARTESIA BLVD	SSW 0 - 1/8 (0.025 mi.)	A3	11
Database: TORRANCE UST, Date of Government Version: 10/02/2018 Facility Id: 99906 Facility Status: I				
MOMIN LODGE	1918 ARTESIA BLVD	S 0 - 1/8 (0.064 mi.)	B9	32
Database: TORRANCE UST, Date of Government Version: 10/02/2018 Facility Id: 41250 Facility Status: I				
WESTERN AIR COMPRESS	2001 ARTESIA BLVD	WSW 0 - 1/8 (0.068 mi.)	C11	35
Database: TORRANCE UST, Date of Government Version: 10/02/2018				

Facility Id: 99907
Facility Status: I

UNITED PARCEL SERVIC ***17111 S WESTERN AVE*** ***NNE 1/8 - 1/4 (0.188 mi.)*** ***I34*** ***123***
Database: UST, Date of Government Version: 12/10/2018
Facility Id: LACoFA0029535
Facility Id: 167

Lower Elevation	Address	Direction / Distance	Map ID	Page
P & THY PETROLEUM	1800 W ARTESIA BLVD	E 1/8 - 1/4 (0.141 mi.)	E19	51
Database: UST, Date of Government Version: 12/10/2018 Facility Id: LACoFA0003381				
ARCO SERVICE STATION	1800 ARTESIA BLVD	E 1/8 - 1/4 (0.181 mi.)	G25	104
Database: TORRANCE UST, Date of Government Version: 10/02/2018 Facility Id: 26559 Facility Status: A				
CHEVRON USA SS 09244	17400 S WESTERN AVE	ESE 1/8 - 1/4 (0.199 mi.)	G40	143
Database: UST, Date of Government Version: 12/10/2018 Facility Id: LACoFA0029533 Facility Id: 11704				

State and tribal voluntary cleanup sites

CA VCP: 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.

A review of the CA VCP list, as provided by EDR, and dated 01/28/2019 has revealed that there are 2 CA VCP sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ACE TRAILER PARK SIT	***17024 S. WESTERN AVE***	***ENE 1/4 - 1/2 (0.304 mi.)***	***58***	***206***
Status: Certified Facility Id: 19880082				

Lower Elevation	Address	Direction / Distance	Map ID	Page
GARDENA MARKETPLACE	***1735, 1711, 1741 170***	***E 1/4 - 1/2 (0.300 mi.)***	***57***	***181***
Status: Certified / Operation & Maintenance Facility Id: 19360536				

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: The EPA's listing of Brownfields properties from the Cleanups in My Community program,

which provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

A review of the US BROWNFIELDS list, as provided by EDR, and dated 12/17/2018 has revealed that there are 2 US BROWNFIELDS sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
ALBERTSON SHOPPING C ACRES property ID: 14383	***ARTESIA BOULEVARD AN***	***E 1/8 - 1/4 (0.183 mi.)***	***G26***	***104***
HONEYWELL PROPERTY/1 ACRES property ID: 14375	***1733 EAST ARTESIA BO***	***E 1/8 - 1/4 (0.211 mi.)***	***L47***	***162***

Local Lists of Landfill / Solid Waste Disposal Sites

CA WMUDS/SWAT: The Waste Management Unit Database System is used for program tracking and inventory of waste management units. The source is the State Water Resources Control Board.

A review of the CA WMUDS/SWAT list, as provided by EDR, and dated 04/01/2000 has revealed that there are 3 CA WMUDS/SWAT sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HIGGINS BRICK & TILE	S OF ARTESIA BTW CAS	W 1/4 - 1/2 (0.454 mi.)	72	233

Lower Elevation	Address	Direction / Distance	Map ID	Page
LOS ANGELES COUNTY R	ARTESIA & WESTERN	E 1/8 - 1/4 (0.183 mi.)	G27	107
GARDENA-174TH & WEST	174TH & WESTERN	E 1/8 - 1/4 (0.193 mi.)	G38	140

Local Lists of Hazardous waste / Contaminated Sites

CA HIST Cal-Sites: Formerly known as ASPIS, this database contains both known and potential hazardous substance sites. The source is the California Department of Toxic Substance Control. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

A review of the CA HIST Cal-Sites list, as provided by EDR, and dated 08/08/2005 has revealed that there is 1 CA HIST Cal-Sites site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
GARDENA SUMPS	***SW CRNR OF NORMANDIE***	***E 1/2 - 1 (0.723 mi.)***	***S81***	***282***

Local Lists of Registered Storage Tanks

CA 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 CA SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there

are 8 CA SWEEPS UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
THIEM INDUSTRIES, IN	***1918 W ARTESIA BLVD***	***S 0 - 1/8 (0.064 mi.)***	***B10***	***32***
Status: A Tank Status: A Comp Number: 41250				
UNITED PARCEL SERVIC	***17111 S WESTERN AVE***	***NNE 1/8 - 1/4 (0.188 mi.)***	***I34***	***123***
Status: A Tank Status: A Comp Number: 167				

Lower Elevation	Address	Direction / Distance	Map ID	Page
SEARS ROEBUCK CO	1917 W ARTESIA BLVD	E 0 - 1/8 (0.018 mi.)	A2	11
Status: A Comp Number: 13475				
ARCO SERVICE STATION	***1800 W ARTESIA BLVD***	***E 1/8 - 1/4 (0.141 mi.)***	***E18***	***49***
Status: A Tank Status: A Comp Number: 26559				
HONEYWELL RESIDENTIA	***17300 S WESTERN AVE***	***E 1/8 - 1/4 (0.190 mi.)***	***J36***	***129***
Status: A Tank Status: A Comp Number: 4520				
A & A CHEVRON #92445	***17400 S WESTERN AVE***	***ESE 1/8 - 1/4 (0.199 mi.)***	***G41***	***143***
Status: A Tank Status: A Comp Number: 11704				
AUTOMOTIVE WELDING I	***17008 S GRAMERCY PL***	***NNW 1/8 - 1/4 (0.203 mi.)***	***H43***	***157***
Status: A Comp Number: 14066				
ADAMS W BOLTON TRUST	***17171 S WESTERN AVE***	***NE 1/8 - 1/4 (0.209 mi.)***	***K45***	***159***
Status: A Comp Number: 12922				

CA HIST UST: Historical UST Registered Database.

A review of the CA HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 16 CA HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
THIEM INDUSTRIES, IN Facility Id: 00000041250	1918 ARTESIA BLVD	S 0 - 1/8 (0.033 mi.)	A6	25
THIEM INDUSTRIES, IN	***1918 W ARTESIA BLVD***	***S 0 - 1/8 (0.064 mi.)***	***B10***	***32***
GARDENA HUB	17111 SO WESTERN ST	NNE 1/8 - 1/4 (0.188 mi.)	I31	118
GARDENA HUB Facility Id: 00000041384	17111 S WESTERN AVE	NNE 1/8 - 1/4 (0.188 mi.)	I33	121

Lower Elevation	Address	Direction / Distance	Map ID	Page
ARCO SERVICE STATION	***1800 W ARTESIA BLVD***	***E 1/8 - 1/4 (0.141 mi.)***	***E18***	***49***

Lower Elevation	Address	Direction / Distance	Map ID	Page
SAMS AUTO LAND Facility Id: 00000002231	***17311 S WESTERN AVE***	***ENE 1/8 - 1/4 (0.148 mi.)***	***20***	***51***
PRESTIGE STATIONS IN Facility Id: 00000026559	1800 ARTESIA BLVD	ESE 1/8 - 1/4 (0.165 mi.)	E21	52
CONTROL PLATING COMP Facility Id: 00000017529	***17014 GRAMERCY PLACE***	***NNW 1/8 - 1/4 (0.186 mi.)***	***H29***	***109***
HONEYWELL RESIDENTIA Facility Id: 00000019029	***17300 S WESTERN AVE***	***E 1/8 - 1/4 (0.190 mi.)***	***J36***	***129***
HONEYWELL INC	***17300 WESTERN AVE.***	***E 1/8 - 1/4 (0.190 mi.)***	***J37***	***134***
A & A CHEVRON #92445 Facility Id: 00000062261	***17400 S WESTERN AVE***	***ESE 1/8 - 1/4 (0.199 mi.)***	***G41***	***143***
AUTOMOTIVE WELDING I	***17008 S GRAMERCY PL***	***NNW 1/8 - 1/4 (0.203 mi.)***	***H43***	***157***
AUTOMATIC WELDING IN Facility Id: 00000004948	17008 GRAMERCY PL	NNW 1/8 - 1/4 (0.203 mi.)	H44	158
ADAMS W BOLTON TRUST Facility Id: 00000005280	***17171 S WESTERN AVE***	***NE 1/8 - 1/4 (0.209 mi.)***	***K45***	***159***
JA. USHIJIMA TRUCKIN Facility Id: 00000003714	17000 GRAMERCY PL	NNW 1/8 - 1/4 (0.226 mi.)	M49	166
JA USHIJIMA TRUCKING	***17000 S GRAMERCY PL***	***NNW 1/8 - 1/4 (0.226 mi.)***	***M50***	***167***

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
THIEM INDUSTRIES, IN Facility Id: 19002088 Status: A	***1918 W ARTESIA BLVD***	***S 0 - 1/8 (0.064 mi.)***	***B10***	***32***
UNITED PARCEL SERVIC Facility Id: 19003340 Status: A	***17111 S WESTERN AVE***	***NNE 1/8 - 1/4 (0.188 mi.)***	***I32***	***118***

Lower Elevation	Address	Direction / Distance	Map ID	Page
ARCO SERVICE STATION Facility Id: 19001207 Status: A	***1800 W ARTESIA BLVD***	***E 1/8 - 1/4 (0.141 mi.)***	***E18***	***49***

Local Land Records

CA DEED: The use of recorded land use restrictions is one of the methods the DTSC uses to protect the public from unsafe exposures to hazardous substances and wastes .

A review of the CA DEED list, as provided by EDR, and dated 12/03/2018 has revealed that there is 1

CA DEED site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
GARDENA MARKETPLACE	***1735, 1711, 1741 170***	***E 1/4 - 1/2 (0.300 mi.)***	***57***	***181***
Status: CERTIFIED / OPERATION & MAINTENANCE				
Envirostor ID: 19360536				

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 03/01/2018 has revealed that there is 1 RCRA NonGen / NLR site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
HERTZ CORP	***17171 S WESTERN AVE***	***NE 1/8 - 1/4 (0.209 mi.)***	***K46***	***160***
EPA ID:: CAD981438914				

CA BOND EXP. 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.

A review of the CA BOND EXP. PLAN list, as provided by EDR, and dated 01/01/1989 has revealed that there is 1 CA BOND EXP. PLAN site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
GARDENA SUMPS	SOUTHWEST CORNER OF	E 1/2 - 1 (0.723 mi.)	S82	297

CA 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 CA Cortese list, as provided by EDR, and dated 12/20/2018 has revealed that there are 2 CA Cortese sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
THEIM INDUSTRIES	***1918 ARTESIA***	***S 0 - 1/8 (0.033 mi.)***	***A5***	***13***
Envirostor Id: 60001010				
Cleanup Status: ACTIVE				
FREEMAN PRODUCTS / A	***2040 ARTESIA BOULEVA***	***SW 1/8 - 1/4 (0.176 mi.)***	***F24***	***74***
Envirostor Id: 60000835				
Cleanup Status: ACTIVE				

CA 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 CA HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 13 CA HIST CORTESE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SEARS ROEBUCK AND CO Reg Id: 902470061	***1917 ARTESIA BLVD W***	***SSW 0 - 1/8 (0.010 mi.)***	***A1***	***9***
THEIM INDUSTRIES Reg Id: 081189-03	***1918 ARTESIA***	***S 0 - 1/8 (0.033 mi.)***	***A5***	***13***
UNITED PARCEL SERVIC Reg Id: I-00167	***17111 S WESTERN AVE***	***NNE 1/8 - 1/4 (0.188 mi.)***	***I32***	***118***
AUTO CHEK CENTERS Reg Id: 905040243	***2150 ARTESIA***	***W 1/4 - 1/2 (0.299 mi.)***	***N56***	***179***
LUSEAUX LABORATORIES Reg Id: 19280298	***16816 SOUTH GRAMERCY***	***N 1/4 - 1/2 (0.402 mi.)***	***Q69***	***224***
CRENSHAW LUMBER CO Reg Id: I-11308	***1860 W 166TH ST***	***N 1/4 - 1/2 (0.449 mi.)***	***71***	***230***
HARA HEALTH INDUSTRI Reg Id: I-12324	***16710 WESTERN AVE S***	***NNE 1/4 - 1/2 (0.466 mi.)***	***73***	***234***

Lower Elevation	Address	Direction / Distance	Map ID	Page
ARCO #1235 Reg Id: 905040034	***1800 ARTESIA BLVD W***	***ESE 1/8 - 1/4 (0.165 mi.)***	***E22***	***53***
CONTROL PLATING COMP Reg Id: 19340007	***17014 GRAMERCY PLACE***	***NNW 1/8 - 1/4 (0.186 mi.)***	***H29***	***109***
HONEYWELL INCORPORAT Reg Id: 902470016	***17300 WESTERN AVE S***	***E 1/8 - 1/4 (0.190 mi.)***	***J35***	***124***
CHEVRON #9-2445 Reg Id: I-11704	***17400 WESTERN AVE S***	***ESE 1/8 - 1/4 (0.199 mi.)***	***G42***	***148***
JA USHIJIMA TRUCKING Reg Id: I-14716	***17000 S GRAMERCY PL***	***NNW 1/8 - 1/4 (0.226 mi.)***	***M50***	***167***
CALIFORNIA STREET MA Reg Id: R-20350	***1918 W 169TH ST***	***N 1/4 - 1/2 (0.345 mi.)***	***P64***	***217***

NY MANIFEST: Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

A review of the NY MANIFEST list, as provided by EDR, and dated 01/01/2019 has revealed that there is 1 NY MANIFEST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
UNITED PARCEL SERVIC EPA ID: CAD981663727	17105 WESTERN BLVD	NE 1/8 - 1/4 (0.248 mi.)	54	177

EXECUTIVE SUMMARY

There were no unmapped sites in this report.

OVERVIEW MAP - 5581670.2S

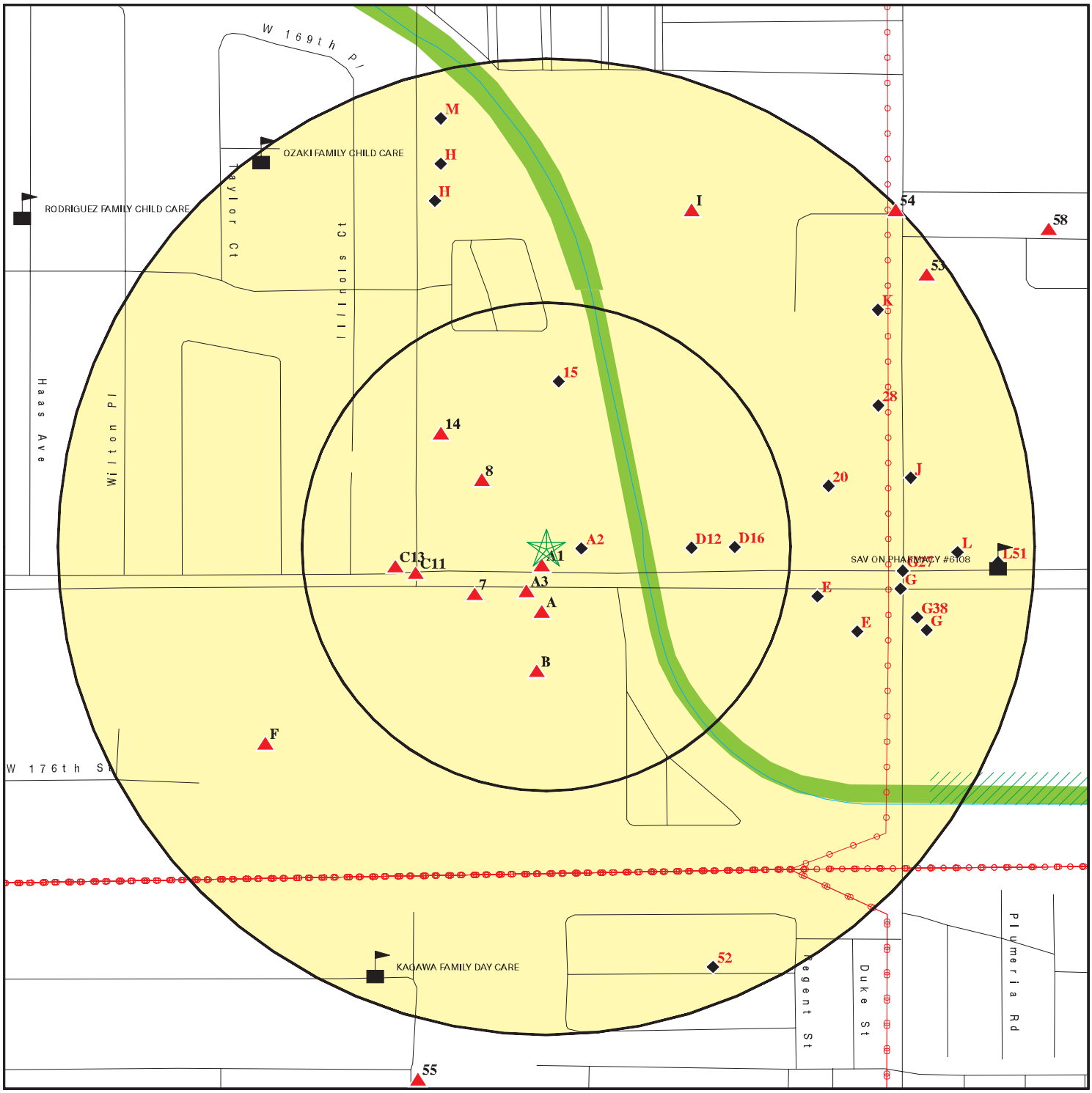
- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- 100-year flood zone
- 500-year flood zone
- 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: Gardena Pumping Plant ADDRESS: Not Reported Gardena CA 90247 LAT/LONG: 33.873122 / 118.312316	CLIENT: Dudek & Associates CONTACT: Audrey Herschberger INQUIRY #: 5581670.2s DATE: March 06, 2019 4:13 pm

Copyright © 2019 EDR, Inc. © 2015 TomTom Rel. 2015.

DETAIL MAP - 5581670.2S



- 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
- Indian Reservations BIA
- Power transmission lines
- 100-year flood zone
- 500-year flood zone
- 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:	Gardena Pumping Plant	CLIENT:	Dudek & Associates
ADDRESS:	Not Reported Gardena CA 90247	CONTACT:	Audrey Herschberger
		INQUIRY #:	5581670.2s
LAT/LONG:	33.873122 / 118.312316	DATE:	March 06, 2019 4:20 pm

Copyright © 2019 EDR, Inc. © 2015 TomTom Rel. 2015.

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								
Federal NPL site list								
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
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		1	2	4	NR	NR	7
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		1	2	NR	NR	NR	3
RCRA-SQG	0.250		5	5	NR	NR	NR	10
RCRA-CESQG	0.250		0	1	NR	NR	NR	1
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 CONTROL	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
CA RESPONSE	1.000		2	1	0	1	NR	4
State- and tribal - equivalent CERCLIS								
CA ENVIROSTOR	1.000		2	2	5	8	NR	17
State and tribal landfill and/or solid waste disposal site lists								
CA SWF/LF	0.500		0	1	6	NR	NR	7
State and tribal leaking storage tank lists								
CA LUST	0.500		2	6	4	NR	NR	12

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
INDIAN LUST	0.500		0	0	0	NR	NR	0
CA CPS-SLIC	0.500		0	2	0	NR	NR	2
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
CA UST	0.250		3	4	NR	NR	NR	7
CA AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
CA VCP	0.500		0	0	2	NR	NR	2
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
CA BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	2	0	NR	NR	2
Local Lists of Landfill / Solid Waste Disposal Sites								
CA WMUDS/SWAT	0.500		0	2	1	NR	NR	3
CA SWRCY	0.500		0	0	0	NR	NR	0
CA HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	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								
CA AOCONCERN	1.000		0	0	0	0	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
CA HIST Cal-Sites	1.000		0	0	0	1	NR	1
CA SCH	0.250		0	0	NR	NR	NR	0
CA CDL	TP		NR	NR	NR	NR	NR	0
CA Toxic Pits	1.000		0	0	0	0	NR	0
CA CERS HAZ WASTE	0.250		0	0	NR	NR	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
CA SWEEPS UST	0.250		2	6	NR	NR	NR	8
CA HIST UST	0.250		2	14	NR	NR	NR	16
CA FID UST	0.250		1	2	NR	NR	NR	3
CA CERS TANKS	0.250		0	0	NR	NR	NR	0
Local Land Records								
CA 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
CA DEED	0.500		0	0	1	NR	NR	1
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CA CHMIRS	TP		NR	NR	NR	NR	NR	0
CA LDS	TP		NR	NR	NR	NR	NR	0
CA MCS	TP		NR	NR	NR	NR	NR	0
CA SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	1	NR	NR	NR	1
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
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
FINDS	TP		NR	NR	NR	NR	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	1	NR	1
CA Cortese	0.500		1	1	0	NR	NR	2
CA CUPA Listings	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
CA DRYCLEANERS	0.250		0	0	NR	NR	NR	0
CA EMI	TP		NR	NR	NR	NR	NR	0
CA ENF	TP		NR	NR	NR	NR	NR	0
CA Financial Assurance	TP		NR	NR	NR	NR	NR	0
CA HAZNET	TP		NR	NR	NR	NR	NR	0
CA ICE	TP		NR	NR	NR	NR	NR	0
CA HIST CORTESE	0.500		2	6	5	NR	NR	13
CA LOS ANGELES CO. HMS	TP		NR	NR	NR	NR	NR	0
CA HWP	1.000		0	0	0	0	NR	0
CA HWT	0.250		0	0	NR	NR	NR	0
NY MANIFEST	0.250		0	1	NR	NR	NR	1
CA MINES	0.250		0	0	NR	NR	NR	0
CA MWMP	0.250		0	0	NR	NR	NR	0
CA NPDES	TP		NR	NR	NR	NR	NR	0
CA PEST LIC	TP		NR	NR	NR	NR	NR	0
CA PROC	0.500		0	0	0	NR	NR	0
CA Notify 65	1.000		0	0	0	0	NR	0
LA Co. Site Mitigation	TP		NR	NR	NR	NR	NR	0
CA UIC	TP		NR	NR	NR	NR	NR	0
CA UIC GEO	TP		NR	NR	NR	NR	NR	0
CA WASTEWATER PITS	0.500		0	0	0	NR	NR	0
CA WDS	TP		NR	NR	NR	NR	NR	0
CA MILITARY PRIV SITES	TP		NR	NR	NR	NR	NR	0
CA PROJECT	TP		NR	NR	NR	NR	NR	0
CA WDR	TP		NR	NR	NR	NR	NR	0
CA CIWQS	TP		NR	NR	NR	NR	NR	0
CA CERS	TP		NR	NR	NR	NR	NR	0
CA WIP	0.250		0	0	NR	NR	NR	0
CA NON-CASE INFO	TP		NR	NR	NR	NR	NR	0
CA OTHER OIL GAS	TP		NR	NR	NR	NR	NR	0
CA PROD WATER PONDS	TP		NR	NR	NR	NR	NR	0
CA SAMPLING POINT	TP		NR	NR	NR	NR	NR	0
CA 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
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								
CA RGA LF	TP		NR	NR	NR	NR	NR	0
CA RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		0	24	61	28	11	0	124

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

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1
SSW
< 1/8
0.010 mi.
51 ft.

SEARS ROEBUCK AND COMPANY
1917 ARTESIA BLVD W
GARDENA, CA 90247

CA LUST **S101296187**
CA HIST CORTESE **N/A**

Site 1 of 6 in cluster A

Relative:
Higher

Actual:
39 ft.

LUST:

Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701273
Global Id:	T0603701273
Latitude:	33.873543
Longitude:	-118.312044
Status:	Completed - Case Closed
Status Date:	12/06/1996
Case Worker:	YR
RB Case Number:	902470061
Local Agency:	LOS ANGELES COUNTY
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0603701273
Contact Type:	Local Agency Caseworker
Contact Name:	JOHN AWUJO
Organization Name:	LOS ANGELES COUNTY
Address:	900 S FREMONT AVE
City:	ALHAMBRA
Email:	jawujo@dpw.lacounty.gov
Phone Number:	6264583507

Global Id:	T0603701273
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0603701273
Action Type:	Other
Date:	10/22/1987
Action:	Leak Reported

LUST:

Global Id:	T0603701273
Status:	Completed - Case Closed
Status Date:	12/06/1996

Global Id:	T0603701273
Status:	Open - Case Begin Date
Status Date:	05/13/1987

Global Id:	T0603701273

SEARS ROEBUCK AND COMPANY (Continued) **S101296187**

Status: Open - Remediation
Status Date: 09/05/1988

Global Id: T0603701273
Status: Open - Site Assessment
Status Date: 05/13/1987

Global Id: T0603701273
Status: Open - Site Assessment
Status Date: 01/27/1988

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 902470061
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603701273
W Global ID: Not reported
Staff: UNK
Local Agency: 19000
Cross Street: GRAMERCY PL
Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak First Reported: 10/22/1987
Date Leak Record Entered: 1/27/1988
Date Confirmation Began: 5/13/1987
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 8/17/1998
Date the Case was Closed: 12/6/1996
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: Not reported
Leak Source: Not reported
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 2488.831607961501474112443951 4
Source of Cleanup Funding: Not reported
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 1/27/1988
Remediation Plan Submitted: Not reported
Remedial Action Underway: 9/5/1988
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported

SEARS ROEBUCK AND COMPANY (Continued) **S101296187**

Soil Qualifier:	Not reported
Organization:	Not reported
Owner Contact:	Not reported
Responsible Party:	SEARS ROEBUCK AND COMPANY
RP Address:	3333 BEVERLY RD, HOFFMAN ESTATES, IL 60179
Program:	LUST
Lat/Long:	33.8729717 / -1
Local Agency Staff:	Not reported
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	08/17/98 - WELL ABANDONMENT

HIST CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	902470061

A2 **SEARS ROEBUCK CO** **CA SWEEPS UST** **S103638555**
East **1917 W ARTESIA BLVD** **N/A**
< 1/8 **GARDENA, CA**
0.018 mi.
95 ft. **Site 2 of 6 in cluster A**

Relative: SWEEPS UST:
Lower

Status:	Active
Comp Number:	13475
Number:	9
Board Of Equalization:	Not reported
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

Actual:
37 ft.

A3 **ALS.** **CA UST** **U003998230**
SSW **1942 ARTESIA BLVD** **N/A**
< 1/8 **, CA**
0.025 mi.
130 ft. **Site 3 of 6 in cluster A**

Relative: TORRANCE UST:
Higher

Region:	TORRANCE
Facility ID:	99906
Suite:	Not reported
Facility Status:	Inactive

Actual:
40 ft.

A4
South
< 1/8
0.033 mi.
175 ft.

FORMER THIEM FACILITY MOMIN LODGE
1918 ARTESIA BLVD
TORRANCE, CA 90504

Site 4 of 6 in cluster A

RCRA-LQG | **1014387551** / **CAR000211110**

Relative:
Higher

Actual:
40 ft.

RCRA-LQG:

Date form received by agency:	08/12/2010
Facility name:	FORMER THIEM FACILITY MOMIN LODGE
Facility address:	1918 ARTESIA BLVD TORRANCE, CA 90504
EPA ID:	CAR000211110
Mailing address:	6006 W 73RD ST BEDFORD PARK, IL 60638
Contact:	JIM F SMITH
Contact address:	6006 W 73RD ST BEDFORD PARK, IL 60638
Contact country:	US
Contact telephone:	708-728-2140
Contact email:	JSMITH@NSAERO.COM
EPA Region:	09
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	DR HASAN UD DIN HASHMI
Owner/operator address:	Not reported Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	01/01/1996
Owner/Op end date:	Not reported

Owner/operator name:	MOMIN LODGE
Owner/operator address:	1918 ARTESIA BLVD TORRANCE, CA 90504
Owner/operator country:	US
Owner/operator telephone:	310-532-7755
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner

FORMER THIEM FACILITY MOMIN LODGE (Continued) **1014387551**

Owner/Op start date: 01/01/1996
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

A5 **THEIM INDUSTRIES** **CA RESPONSE** **S101298263**
South **1918 ARTESIA** **CA ENVIROSTOR** **N/A**
< 1/8 **TORRANCE, CA 90504** **CA LUST**
0.033 mi. **CA Cortese**
175 ft. **Site 5 of 6 in cluster A** **CA HIST CORTESE**

Relative: Higher

Actual: 40 ft.

RESPONSE:
Facility ID: 60001010
Site Type: State Response
Site Type Detail: State Response or NPL
Acres: 2.2
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Hossein Nassiri
Supervisor: Emad Yemut
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 401470
Site Mgmt. Req.: NONE SPECIFIED
Assembly: 66
Senate: 35
Special Program Status: Not reported
Status: Active
Status Date: 08/18/2015
Restricted Use: NO
Funding: Orphan Funds

THEIM INDUSTRIES (Continued) **S101298263**

Latitude:	33.8727
Longitude:	-118.312
APN:	4096-004-017, 4096004017
Past Use:	AEROSPACE MANUFACTURING/MAINTENANCE, MANUFACTURING - METAL, METAL FINISHING
Potential COC :	Lead Tetrachloroethylene (PCE TPH-diesel 1,1,1-Trichloroethane (TCA Trichloroethylene (TCE 1,4-Dioxane Naphthalene 1,1,1,2-Tetrachloroethane Toluene 1,1,2-Trichloroethane 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene
Confirmed COC:	Tetrachloroethylene (PCE Trichloroethylene (TCE
Potential Description:	IA, OTH, SOIL, SV
Alias Name:	Derlan Industries, Inc.
Alias Type:	Alternate Name
Alias Name:	Former Thiem Industries Facility
Alias Type:	Alternate Name
Alias Name:	Northstar Aerospace, Inc.- Chicago
Alias Type:	Alternate Name
Alias Name:	4096-004-017
Alias Type:	APN
Alias Name:	4096004017
Alias Type:	APN
Alias Name:	401470
Alias Type:	Project Code (Site Code)
Alias Name:	60001010
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Litigation Support
Completed Date:	10/11/2017
Comments:	DTSC's attorney requested that program draft the Orphan Site Designation Memorandum for her review and approval. The site will be designated as an Orphan once the memo is signed off. DTSC will place a lien for costs incurred when more costs have accrued.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Orphan Site Designation
Completed Date:	11/21/2017
Comments:	The designation has been approved by OLC, Supervisor and Branch Chief. Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Unilateral Order (I/SE, RAO, CAO, EPA AO)
Completed Date:	12/05/2008
Comments:	Completed.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	PRP Identification Memorandum
Completed Date:	10/10/2017
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	State/Federal Funded Site Work Order

THEIM INDUSTRIES (Continued) **S101298263**

Completed Date: 12/18/2017
Comments: Start Work Order issued.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 12/18/2017
Comments: Original Contract Term 12/15/2017 to 12/31/2018 for a SVE Pilot Study in the expanded area.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 03/13/2014
Comments: Completed and sent.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 07/16/2013
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 04/22/2016
Comments: .

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Final Determination of Non-Compliance
Completed Date: 08/08/2016
Comments: DTSC issued a Notice of Final Determination on Non-Compliance to Momin Lodge.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 03/29/2010
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 06/22/2010
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 06/28/2011
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Treatability Study Report
Completed Date: 06/14/2011

THEIM INDUSTRIES (Continued) **S101298263**

Comments: Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 04/11/2011
Comments: Conditionally approved. The data gaps and conclusions mentioned in the approval letter will be addressed as part of the RI.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 09/07/2011
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 09/07/2011
Comments: Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 09/07/2011
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 10/26/2011
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: PRP Bankruptcy Filing
Completed Date: 08/08/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 03/10/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 07/31/2012
Comments: Document was not approved. The RP filed bankruptcy before we received the report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 11/24/2014
Comments: Approved

THEIM INDUSTRIES (Continued) **S101298263**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 03/07/2018
Comments: .

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 06/19/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 07/10/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/29/2018
Comments: Routine document.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/19/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Ability To Pay
Completed Date: 09/22/2015
Comments: ATP completed by Collections and Resolution Unit (CRU)

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 07/12/2016
Comments: Letter from the RP addressing unpaid invoices and future response costs.

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Remedy Constructed: Operating Properly & Successfully
Future Due Date: 2021
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2026
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: CEQA - Initial Study/ Mitigated Neg. Dec. (MND)
Future Due Date: 2019
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported

THEIM INDUSTRIES (Continued) **S101298263**

Future Document Type: Remedial Investigation / Feasibility Study
Future Due Date: 2019
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Certification
Future Due Date: 2021
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

ENVIROSTOR:
Facility ID: 60001010
Status: Active
Status Date: 08/18/2015
Site Code: 401470
Site Type: State Response
Site Type Detailed: State Response or NPL
Acres: 2.2
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Hossein Nassiri
Supervisor: Emad Yemut
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 66
Senate: 35
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Orphan Funds
Latitude: 33.8727
Longitude: -118.312
APN: 4096-004-017, 4096004017
Past Use: AEROSPACE MANUFACTURING/MAINTENANCE, MANUFACTURING - METAL, METAL FINISHING
Potential COC: Lead Tetrachloroethylene (PCE TPH-diesel 1,1,1-Trichloroethane (TCA Trichloroethylene (TCE 1,4-Dioxane Naphthalene 1,1,1,2-Tetrachloroethane Toluene 1,1,2-Trichloroethane 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene
Confirmed COC: Tetrachloroethylene (PCE Trichloroethylene (TCE
Potential Description: IA, OTH, SOIL, SV
Alias Name: Derlan Industries, Inc.
Alias Type: Alternate Name
Alias Name: Former Thiem Industries Facility
Alias Type: Alternate Name
Alias Name: Northstar Aerospace, Inc.- Chicago
Alias Type: Alternate Name
Alias Name: 4096-004-017
Alias Type: APN
Alias Name: 4096004017
Alias Type: APN
Alias Name: 401470
Alias Type: Project Code (Site Code)
Alias Name: 60001010
Alias Type: Envirostor ID Number

THEIM INDUSTRIES (Continued) **S101298263**

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Litigation Support
Completed Date:	10/11/2017
Comments:	DTSC's attorney requested that program draft the Orphan Site Designation Memorandum for her review and approval. The site will be designated as an Orphan once the memo is signed off. DTSC will place a lien for costs incurred when more costs have accrued.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Orphan Site Designation
Completed Date:	11/21/2017
Comments:	The designation has been approved by OLC, Supervisor and Branch Chief. Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Unilateral Order (I/SE, RAO, CAO, EPA AO)
Completed Date:	12/05/2008
Comments:	Completed.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	PRP Identification Memorandum
Completed Date:	10/10/2017
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	State/Federal Funded Site Work Order
Completed Date:	12/18/2017
Comments:	Start Work Order issued.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	State/Federal Funded Site Contract
Completed Date:	12/18/2017
Comments:	Original Contract Term 12/15/2017 to 12/31/2018 for a SVE Pilot Study in the expanded area.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	03/13/2014
Comments:	Completed and sent.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	07/16/2013
Comments:	Completed

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence

THEIM INDUSTRIES (Continued) **S101298263**

Completed Date: 04/22/2016
Comments: .

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Final Determination of Non-Compliance
Completed Date: 08/08/2016
Comments: DTSC issued a Notice of Final Determination on Non-Compliance to Momin Lodge.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 03/29/2010
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 06/22/2010
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 06/28/2011
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Treatability Study Report
Completed Date: 06/14/2011
Comments: Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 04/11/2011
Comments: Conditionally approved. The data gaps and conclusions mentioned in the approval letter will be addressed as part of the RI.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 09/07/2011
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 09/07/2011
Comments: Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 09/07/2011

THEIM INDUSTRIES (Continued) **S101298263**

Comments:	Approved
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Pilot/Treatability Study Report
Completed Date:	10/26/2011
Comments:	Approved
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	PRP Bankruptcy Filing
Completed Date:	08/08/2014
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Assessment Report
Completed Date:	03/10/1995
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Investigation Report
Completed Date:	07/31/2012
Comments:	Document was not approved. The RP filed bankruptcy before we received the report.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Report
Completed Date:	11/24/2014
Comments:	Approved
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Plan
Completed Date:	03/07/2018
Comments:	.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Pilot/Treatability Study Report
Completed Date:	06/19/2018
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Pilot/Treatability Study Report
Completed Date:	07/10/2018
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	10/29/2018
Comments:	Routine document.

THEIM INDUSTRIES (Continued) **S101298263**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	12/19/2018
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Ability To Pay
Completed Date:	09/22/2015
Comments:	ATP completed by Collections and Resolution Unit (CRU)
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	07/12/2016
Comments:	Letter from the RP addressing unpaid invoices and future response costs.
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Remedy Constructed: Operating Properly & Successfully
Future Due Date:	2021
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	5 Year Review Reports
Future Due Date:	2026
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	CEQA - Initial Study/ Mitigated Neg. Dec. (MND)
Future Due Date:	2019
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Remedial Investigation / Feasibility Study
Future Due Date:	2019
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Certification
Future Due Date:	2021
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

LUST:

Lead Agency:	TORRANCE, CITY OF
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603700103
Global Id:	T0603700103
Latitude:	33.8726337
Longitude:	-118.3117166
Status:	Completed - Case Closed
Status Date:	10/15/2007
Case Worker:	KL
RB Case Number:	081189-03
Local Agency:	TORRANCE, CITY OF

THEIM INDUSTRIES (Continued) **S101298263**

File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0603700103
Contact Type: Local Agency Caseworker
Contact Name: KENNETH LEW
Organization Name: TORRANCE, CITY OF
Address: 3031 TORRANCE BLVD.
City: TORRANCE
Email: Not reported
Phone Number: 3106182973

Global Id: T0603700103
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603700103
Action Type: Other
Date: 07/15/1989
Action: Leak Reported

LUST:
Global Id: T0603700103
Status: Completed - Case Closed
Status Date: 10/15/2007

Global Id: T0603700103
Status: Open - Case Begin Date
Status Date: 07/15/1989

Global Id: T0603700103
Status: Open - Site Assessment
Status Date: 07/15/1989

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 081189-03
Status: Leak being confirmed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported

THEIM INDUSTRIES (Continued) **S101298263**

Global ID:	T0603700103	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19000	
Cross Street:	WESTERN AVE	
Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak First Reported:		7/15/1989
Date Leak Record Entered:	8/11/1989	
Date Confirmation Began:	7/15/1989	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		8/11/1989
Date the Case was Closed:		Not reported
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	Corrosion	
Leak Source:	Piping	
Operator:	MILLION, AL	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		2515.5560468976142375628914l5
Source of Cleanup Funding:		Piping
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	THEIM INDUSTRIES	
RP Address:	1918 W ARTESIA BLVD, TORRANCE, 90504	
Program:	LUST	
Lat/Long:	33.8726337 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	Not reported	

CORTESE:

Region:	CORTESE
Envirostor Id:	60001010
Site/Facility Type:	STATE RESPONSE
Cleanup Status:	ACTIVE
Status Date:	08/18/2015
Site Code:	401470
Latitude:	33.8727

THEIM INDUSTRIES (Continued) **S101298263**

Longitude:	-118.312
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	envirostor
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:	Haz Waste & Substances Sites

HIST CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	081189-03

A6 **THIEM INDUSTRIES, INC.** **CA HIST UST** **U001564194**
South **1918 ARTESIA BLVD** **N/A**
< 1/8 **TORRANCE, CA 90504**
0.033 mi.
175 ft. **Site 6 of 6 in cluster A**

Relative:
Higher

Actual:
40 ft.

HIST UST:

File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000041250
Facility Type:	Other
Other Type:	MANUFACTURING
Contact Name:	AL MILLION-V.P. MANUFACTURING
Telephone:	2133211911
Owner Name:	THIEM INDUSTRIES, INC.
Owner Address:	1918 W. ARTESIA BLVD.
Owner City,St,Zip:	TORRANCE, CA 90504
Total Tanks:	0004
Tank Num:	001
Container Num:	1
Year Installed:	1984
Tank Capacity:	00005929
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	0.25
Leak Detection:	None
Tank Num:	002
Container Num:	101
Year Installed:	1970
Tank Capacity:	00001000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Visual, Stock Inventor, None

THIEM INDUSTRIES, INC. (Continued) **U001564194**

Tank Num:	003
Container Num:	102
Year Installed:	1979
Tank Capacity:	00002000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Visual, Stock Inventor, None

Tank Num:	004
Container Num:	103
Year Installed:	1984
Tank Capacity:	00005000
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	Visual, None

---

7 **ALS INDUSTRIES INCORPORATED** **CA RESPONSE** **S110275495**
WSW **1942 WEST ARTESIA BOULEVARD** **CA ENVIROSTOR** **N/A**
< 1/8 **TORRANCE, CA 90504**
0.044 mi.
232 ft.

Relative: **Higher**

Actual: **42 ft.**

RESPONSE:

Facility ID:	60001257
Site Type:	State Response
Site Type Detail:	State Response or NPL
Acres:	3.66
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Daniel Zogaib
Supervisor:	Emad Yemut
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	401486
Site Mgmt. Req.:	NONE SPECIFIED
Assembly:	66
Senate:	35
Special Program Status:	Not reported
Status:	No Further Action
Status Date:	01/09/2013
Restricted Use:	NO
Funding:	Responsible Party
Latitude:	33.87183
Longitude:	-118.3129
APN:	NONE SPECIFIED
Past Use:	MANUFACTURING - OTHER, METAL FINISHING
Potential COC :	Benzene Tetrachloroethylene (PCE Trichloroethylene (TCE Acetone Carbon tetrachloride Dichlorodifluoromethane 1,1-Dichloroethane 1,2-Dichloroethane (EDC 1,1-Dichloroethylene 1,2-Dichloroethylene (cis 1,2-Dichloroethylene (trans 1,4-Dioxane Ethylbenzene Toluene 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene
Confirmed COC:	Benzene 1,3,5-Trimethylbenzene Ethylbenzene 1,1-Dichloroethane 1,2-Dichloroethane (EDC 1,2-Dichloroethylene (cis 1,2-Dichloroethylene (trans 1,4-Dioxane Toluene Trichloroethylene (TCE 1,1-Dichloroethylene
Potential Description:	OTH, SOIL, SV

ALS INDUSTRIES INCORPORATED (Continued) **S110275495**

Alias Name: A.L.S. Industries
Alias Type: Alternate Name
Alias Name: Shaver Automotive Restoration, LLC
Alias Type: Alternate Name
Alias Name: Torrance Wood Products, Inc.
Alias Type: Alternate Name
Alias Name: 401486
Alias Type: Project Code (Site Code)
Alias Name: 60001257
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 09/02/2010
Comments: Received

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Information Request Letter
Completed Date: 08/10/2010
Comments: Sent

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 04/29/2009
Comments: Received

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 08/27/2012
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 01/24/2012
Comments: Conditionally approved. They still need to send the revised RIWP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Agreement
Completed Date: 06/09/2011
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: PA/SI Site Screening
Completed Date: 10/18/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/22/2012

ALS INDUSTRIES INCORPORATED (Continued) **S110275495**

Comments: These were just the unvalidated lab data and we have completed our review.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Well Decommissioning Workplan
Completed Date: 09/25/2012
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Well Decommissioning Report
Completed Date: 01/09/2013
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: No Further Action Letter
Completed Date: 01/09/2013
Comments: Approved for No Further Action

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

ENVIROSTOR:
Facility ID: 60001257
Status: No Further Action
Status Date: 01/09/2013
Site Code: 401486
Site Type: State Response
Site Type Detailed: State Response or NPL
Acres: 3.66
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Daniel Zogaib
Supervisor: Emad Yemut
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 66
Senate: 35
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 33.87183
Longitude: -118.3129
APN: NONE SPECIFIED
Past Use: MANUFACTURING - OTHER, METAL FINISHING
Potential COC: Benzene Tetrachloroethylene (PCE Trichloroethylene (TCE Acetone Carbon tetrachloride Dichlorodifluoromethane 1,1-Dichloroethane

ALS INDUSTRIES INCORPORATED (Continued) **S110275495**

1,2-Dichloroethane (EDC 1,1-Dichloroethylene 1,2-Dichloroethylene (cis 1,2-Dichloroethylene (trans 1,4-Dioxane Ethylbenzene Toluene 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene

Confirmed COC: Benzene 1,3,5-Trimethylbenzene Ethylbenzene 1,1-Dichloroethane 1,2-Dichloroethane (EDC 1,2-Dichloroethylene (cis 1,2-Dichloroethylene (trans 1,4-Dioxane Toluene Trichloroethylene (TCE 1,1-Dichloroethylene

Potential Description: OTH, SOIL, SV
Alias Name: A.L.S. Industries
Alias Type: Alternate Name
Alias Name: Shaver Automotive Restoration, LLC
Alias Type: Alternate Name
Alias Name: Torrance Wood Products, Inc.
Alias Type: Alternate Name
Alias Name: 401486
Alias Type: Project Code (Site Code)
Alias Name: 60001257
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 09/02/2010
Comments: Received

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Information Request Letter
Completed Date: 08/10/2010
Comments: Sent

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 04/29/2009
Comments: Received

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 08/27/2012
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 01/24/2012
Comments: Conditionally approved. They still need to send the revised RIWP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Agreement
Completed Date: 06/09/2011
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

ALS INDUSTRIES INCORPORATED (Continued) **S110275495**

Completed Document Type:	PA/SI Site Screening
Completed Date:	10/18/2010
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Technical Report
Completed Date:	04/22/2012
Comments:	These were just the unvalidated lab data and we have completed our review.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Well Decommissioning Workplan
Completed Date:	09/25/2012
Comments:	Approved
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Well Decommissioning Report
Completed Date:	01/09/2013
Comments:	Approved
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	No Further Action Letter
Completed Date:	01/09/2013
Comments:	Approved for No Further Action
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

8
NW
< 1/8
0.048 mi.
251 ft.

FLOROD CORP
17360 S GRAMERCY PL
GARDENA, CA 90247

RCRA-SQG **1000857653**
FINDS **CAD983670969**
ECHO
CA LOS ANGELES CO. HMS

Relative:
Higher

Actual:
43 ft.

RCRA-SQG:

Date form received by agency:	06/28/1993
Facility name:	FLOROD CORP
Facility address:	17360 S GRAMERCY PL GARDENA, CA 90247-5212
EPA ID:	CAD983670969
Mailing address:	S GRAMERCY PL GARDENA, CA 90247-5212
Contact:	TOM SCHLAPPATHA
Contact address:	17360 S GRAMERCY PL GARDENA, CA 90247-5212
Contact country:	US
Contact telephone:	310-532-2700

FLOROD CORP (Continued) **1000857653**

Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: FLOROD CORP
Owner/operator address: 17360 S GRAMERCY PL
GARDENA, CA 90247
Owner/operator country: Not reported
Owner/operator telephone: 310-532-2700
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002901110

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

FLOROD CORP (Continued) **1000857653**

ECHO:
Envid: 1000857653
Registry ID: 110002901110
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002901110

LOS ANGELES CO. HMS:
Region: LA
Permit Category: Not reported
Facility Id: 024430-033788
Facility Type: Not reported
Facility Status: OPEN
Area: 2B
Permit Number: Not reported
Permit Status: Not reported

B9 **MOMIN LODGE** **CA UST** **U003805375**
South **1918 ARTESIA BLVD** **N/A**
< 1/8 **, CA**
0.064 mi.
336 ft. **Site 1 of 2 in cluster B**

Relative:
Higher

Actual:
41 ft.

TORRANCE UST:
Region: TORRANCE
Facility ID: 41250
Suite: Not reported
Facility Status: Inactive

B10 **THIEM INDUSTRIES, INC.** **CA SWEEPS UST** **S101617812**
South **1918 W ARTESIA BLVD** **CA HIST UST** **N/A**
< 1/8 **TORRANCE, CA 90504** **CA FID UST**
0.064 mi. **CA EMI**
336 ft. **Site 2 of 2 in cluster B**

Relative:
Higher

Actual:
41 ft.

SWEEPS UST:
Status: Active
Comp Number: 41250
Number: 1
Board Of Equalization: Not reported
Referral Date: 01-22-91
Action Date: 01-22-91
Created Date: 02-29-88
Owner Tank Id: UT401WA01
SWRCB Tank Id: 19-038-041250-000001
Tank Status: A
Capacity: 5000
Active Date: 10-25-90
Tank Use: OIL
STG: W
Content: "FORMETAL" W
Number Of Tanks: 1

Status: Not reported
Comp Number: 41250
Number: Not reported
Board Of Equalization: Not reported

THIEM INDUSTRIES, INC. (Continued) **S101617812**

Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-038-041250-000002
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: DIESEL
Number Of Tanks: 2

Status: Not reported
Comp Number: 41250
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-038-041250-000003
Tank Status: Not reported
Capacity: 2000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: Not reported

HIST UST:
File Number: 00028C6F
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00028C6F.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:

THIEM INDUSTRIES, INC. (Continued) **S101617812**

Facility ID:	19002088
Regulated By:	UTNKA
Regulated ID:	00041250
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2133211911
Mail To:	Not reported
Mailing Address:	1918 W ARTESIA BLVD
Mailing Address 2:	Not reported
Mailing City,St,Zip:	TORRANCE 90504
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

EMI:

Year:	1987
County Code:	19
Air Basin:	SC
Facility ID:	40724
Air District Name:	SC
SIC Code:	3444
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:	0
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

Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	40724
Air District Name:	SC
SIC Code:	3728
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:	3
Reactive Organic Gases Tons/Yr:	2
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

Year:	1995
County Code:	19
Air Basin:	SC
Facility ID:	40724

THIEM INDUSTRIES, INC. (Continued) **S101617812**

Air District Name:	SC
SIC Code:	3728
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:	2
Reactive Organic Gases Tons/Yr:	1
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

C11 **WESTERN AIR COMPRESSOR CO.** **CA UST** **U003998390**
WSW **2001 ARTESIA BLVD** **N/A**
< 1/8 **, CA**
0.068 mi.
360 ft. **Site 1 of 2 in cluster C**

Relative: **Higher**

Actual: **44 ft.**

TORRANCE UST:

Region:	TORRANCE
Facility ID:	99907
Suite:	Not reported
Facility Status:	Inactive

D12 **FOREIGN BODY WORKS** **RCRA-SQG** **1000203010**
East **1843 W ARTESIA BLVD** **FINDS** **CAD982010183**
< 1/8 **GARDENA, CA 90248** **ECHO**
0.074 mi.
392 ft. **Site 1 of 2 in cluster D**

Relative: **Lower**

Actual: **23 ft.**

RCRA-SQG:

Date form received by agency:	07/01/1987
Facility name:	FOREIGN BODY WORKS
Facility address:	1843 W ARTESIA BLVD GARDENA, CA 90248
EPA ID:	CAD982010183
Mailing address:	W ARTESIA BLVD GARDENA, CA 90248
Contact:	ENVIRONMENTAL MANAGER
Contact address:	1843 W ARTESIA BLVD GARDENA, CA 90248
Contact country:	US
Contact telephone:	213-532-6682
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED

FOREIGN BODY WORKS (Continued) **1000203010**

NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: BOB SODERBURG
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002775391

Environmental Interest/Information System
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA

FOREIGN BODY WORKS (Continued) **1000203010**

program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Registry ID: 110058245938

Environmental Interest/Information System
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000203010
Registry ID: 110002775391
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002775391

C13 **WESTERN AIR COMPRESSOR CO** **SEMS-ARCHIVE** **1003878982**
West **2001 ARTESIA BLVD** **CAD981576564**
< 1/8 **TORRENCE, CA 90504**
0.078 mi.
411 ft. **Site 2 of 2 in cluster C**

Relative:
Higher

Actual:
45 ft.

SEMS Archive:
Site ID: 0902458
EPA ID: CAD981576564
Cong District: 31
FIPS Code: 06037
FF: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information
Latitude: 33.865
Longitude: -118.333333

SEMS Archive Detail:
Region: 09
Site ID: 0902458
EPA ID: CAD981576564
Site Name: WESTERN AIR COMPRESSOR CO
NPL: N
FF: N
OU: 00
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1987-09-01 04:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 09
Site ID: 0902458
EPA ID: CAD981576564
Site Name: WESTERN AIR COMPRESSOR CO
NPL: N
FF: N
OU: 00
Action Code: PA

WESTERN AIR COMPRESSOR CO (Continued) **1003878982**

Action Name:	PA
SEQ:	1
Start Date:	1986-11-01 05:00:00
Finish Date:	1987-09-01 04:00:00
Qual:	N
Current Action Lead:	St Perf
Region:	09
Site ID:	0902458
EPA ID:	CAD981576564
Site Name:	WESTERN AIR COMPRESSOR CO
NPL:	N
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1986-11-01 05:00:00
Finish Date:	1986-11-01 05:00:00
Qual:	Not reported
Current Action Lead:	St Perf

14
NW
< 1/8
0.079 mi.
419 ft.

Relative:
Higher

Actual:
43 ft.

SWEENEY ENGINEERING CORP
17224 GRAMERCY PLACE
GARDENA, CA 90247

RCRA-SQG **1000207783**
FINDS **CAD128719234**
ECHO
CA EMI
CA HAZNET
CA LOS ANGELES CO. HMS

RCRA-SQG:

Date form received by agency:	09/01/1996
Facility name:	SWEENEY ENGINEERING CORP
Facility address:	17224 GRAMERCY PLACE GARDENA, CA 90247
EPA ID:	CAD128719234
Contact:	Not reported
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	SWEENEY ENGINEERING CORP
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported

SWEENEY ENGINEERING CORP (Continued) **1000207783**

Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 11/13/1985
Site name: SWEENEY ENGINEERING CORP
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110006468483

Environmental Interest/Information System
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport,

SWEENEY ENGINEERING CORP (Continued) **1000207783**

and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000207783
Registry ID:	110006468483
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110006468483

EMI:

Year:	1987
County Code:	19
Air Basin:	SC
Facility ID:	46594
Air District Name:	SC
SIC Code:	3531
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

Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	46594
Air District Name:	SC
SIC Code:	35
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

HAZNET:

Facility Name:	SWEENEY ENGINEERING CORP
envid:	1000207783
Year:	2008
GEPAID:	CAD128719234
Contact:	ENV MGR
Telephone:	0000000000
Mailing Name:	Not reported

SWEENEY ENGINEERING CORP (Continued) **1000207783**

Mailing Address:	17224 GRAMERCY PL
Mailing City,St,Zip:	GARDENA, CA 902470000
Gen County:	Not reported
TSD EPA ID:	TXD077603371
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.29
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	1000207783
Year:	2008
GEPAID:	CAD128719234
Contact:	ENV MGR
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	17224 GRAMERCY PL
Mailing City,St,Zip:	GARDENA, CA 902470000
Gen County:	Not reported
TSD EPA ID:	TXD077603371
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.29
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	1000207783
Year:	2008
GEPAID:	CAD128719234
Contact:	ENV MGR
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	17224 GRAMERCY PL
Mailing City,St,Zip:	GARDENA, CA 902470000
Gen County:	Not reported
TSD EPA ID:	Not reported
TSD County:	Not reported
Waste Category:	Laboratory waste chemicals
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.003
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	1000207783
Year:	2008
GEPAID:	CAD128719234
Contact:	ENV MGR
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	17224 GRAMERCY PL
Mailing City,St,Zip:	GARDENA, CA 902470000

SWEENEY ENGINEERING CORP (Continued) **1000207783**

Gen County: Not reported
TSD EPA ID: Not reported
TSD County: Not reported
Waste Category: Laboratory waste chemicals
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.003
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000207783
Year: 2008
GEPAID: CAD128719234
Contact: ENV MGR
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 17224 GRAMERCY PL
Mailing City,St,Zip: GARDENA, CA 902470000
Gen County: Not reported
TSD EPA ID: CAD008364432
TSD County: Not reported
Waste Category: Laboratory waste chemicals
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.165
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

Click this hyperlink while viewing on your computer to access
71 additional CA_HAZNET: record(s) in the EDR Site Report.

LOS ANGELES CO. HMS:
Region: LA
Permit Category: I
Facility Id: 006445-I06665
Facility Type: 01
Facility Status: Closed
Area: 2B
Permit Number: 000012389
Permit Status: Closed

Region: LA
Permit Category: I
Facility Id: 006445-I06665
Facility Type: 09
Facility Status: Closed
Area: 2B
Permit Number: 000411409
Permit Status: Closed

15
North
< 1/8
0.085 mi.
449 ft.

CARS RADIATOR
1915 W ARTESIA BLVD
GARDENA, CA 90247

RCRA-SQG **1000375613**
FINDS **CAD982026551**
ECHO
CA LOS ANGELES CO. HMS

Relative:
Lower

Actual:
37 ft.

RCRA-SQG:

Date form received by agency:	09/01/1996
Facility name:	CARS RADIATOR
Facility address:	1915 W ARTESIA BLVD GARDENA, CA 90247
EPA ID:	CAD982026551
Mailing address:	W ARTESIA BLVD GARDENA, CA 90247
Contact:	Not reported
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	RICK VAN KIRK
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No

CARS RADIATOR (Continued) **1000375613**

Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

FINDS:

Registry ID: 110002781277

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000375613
Registry ID:	110002781277
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002781277

LOS ANGELES CO. HMS:

Region:	LA
Permit Category:	I
Facility Id:	007602-I08003
Facility Type:	02
Facility Status:	Closed
Area:	2B
Permit Number:	000009445
Permit Status:	Closed

D16 **K WATANABE CORP** **RCRA-SQG** **1000597838**
East **1837 W ARTESIA** **FINDS** **CAD983618703**
< 1/8 **GARDENA, CA 90247** **ECHO**
0.097 mi. **CA HAZNET**
510 ft. **Site 2 of 2 in cluster D**

Relative: **Lower**

Actual: **26 ft.**

RCRA-SQG:

Date form received by agency:	02/08/1992
Facility name:	K WATANABE CORP
Facility address:	1837 W ARTESIA

K WATANABE CORP (Continued) **1000597838**

GARDENA, CA 90247
EPA ID: CAD983618703
Mailing address: W ARTESIA
GARDENA, CA 90247
Contact: CAI LEUNG
Contact address: 1837 W ARTESIA
GARDENA, CA 90247
Contact country: US
Contact telephone: 310-763-6430
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: K WATANABE CORP
Owner/operator address: 11550 WRIGHT RD
LYNWOOD, CA 90262
Owner/operator country: Not reported
Owner/operator telephone: 310-763-6420
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002868790

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource

K WATANABE CORP (Continued) **1000597838**

Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000597838
Registry ID:	110002868790
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002868790

HAZNET:

Facility Name:	K WATANABE CORP
envid:	1000597838
Year:	1995
GEPAID:	CAD983618703
Contact:	K WATANABE CORP
Telephone:	3107636420
Mailing Name:	Not reported
Mailing Address:	11550 WRIGHT RD
Mailing City,St,Zip:	LYNWOOD, CA 902623944
Gen County:	Not reported
TSD EPA ID:	CAD099452708
TSD County:	Not reported
Waste Category:	Waste oil and mixed oil
Disposal Method:	Recycler
Tons:	1.0425
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	1000597838
Year:	1993
GEPAID:	CAD983618703
Contact:	K WATANABE CORP
Telephone:	3107636420
Mailing Name:	Not reported
Mailing Address:	11550 WRIGHT RD
Mailing City,St,Zip:	LYNWOOD, CA 902623944
Gen County:	Not reported
TSD EPA ID:	CAD050099696
TSD County:	Not reported
Waste Category:	Unspecified aqueous solution
Disposal Method:	Recycler
Tons:	0.91739999999
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

E17
East
1/8-1/4
0.141 mi.
745 ft.

TESORO 97610 1235
1800 W ARTESIA BLVD
TORRANCE, CA 90504

Site 1 of 5 in cluster E

RCRA-SQG
FINDS
ECHO

1015752998
CAR000233163

Relative:
Lower

Actual:
27 ft.

RCRA-SQG:

Date form received by agency:	08/15/2013
Facility name:	TESORO 97610 1235
Facility address:	1800 W ARTESIA BLVD TORRANCE, CA 90504
EPA ID:	CAR000233163
Mailing address:	19100 RIDGEWOOD PKWY MS TX1 022 SAN ANTONIO, TX 78259
Contact:	JEFF BAKER
Contact address:	3450 S 344TH WAY STE 201 FEDERAL WAY, WA 98001
Contact country:	US
Contact telephone:	253-896-8708
Contact email:	JEFFREY.M.BAKER@TSOCORP.COM
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	TESORO ENV RESOURCES CO
Owner/operator address:	Not reported Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	06/01/2013
Owner/Op end date:	Not reported

Owner/operator name:	TESORO ENV RESOURCES CO
Owner/operator address:	3450 S 344TH WAY STE 201 FEDERAL WAY, WA 98001
Owner/operator country:	US
Owner/operator telephone:	253-896-8708
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	06/01/2013
Owner/Op end date:	Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No

TESORO 97610 1235 (Continued) **1015752998**

Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Historical Generators:
Date form received by agency: 12/04/2012
Site name: BP 01235
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

FINDS:

Registry ID: 110054824543

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Registry ID: 110055714721

Environmental Interest/Information System
STATE MASTER

TESORO 97610 1235 (Continued) **1015752998**

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1015752998
Registry ID: 110054824543
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110054824543

E18 **ARCO SERVICE STATION #1235** **CA SWEEPS UST** **S101582729**
East **1800 W ARTESIA BLVD** **CA HIST UST** **N/A**
1/8-1/4 **TORRANCE, CA 90504** **CA FID UST**
0.141 mi.
745 ft. **Site 2 of 5 in cluster E**

Relative: **Lower**
Actual: **27 ft.**

SWEEPS UST:
Status: Active
Comp Number: 26559
Number: 1
Board Of Equalization: Not reported
Referral Date: 03-13-92
Action Date: 05-09-94
Created Date: 02-29-88
Owner Tank Id: SS104UP01
SWRCB Tank Id: 19-038-026559-000001
Tank Status: A
Capacity: 12000
Active Date: 03-13-92
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 3

Status: Active
Comp Number: 26559
Number: 1
Board Of Equalization: Not reported
Referral Date: 03-13-92
Action Date: 05-09-94
Created Date: 02-29-88
Owner Tank Id: SS104UN02
SWRCB Tank Id: 19-038-026559-000002
Tank Status: A
Capacity: 12000
Active Date: 08-07-90
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 26559
Number: 1
Board Of Equalization: Not reported
Referral Date: 03-13-92
Action Date: 05-09-94
Created Date: 02-29-88

ARCO SERVICE STATION #1235 (Continued) **S101582729**

Owner Tank Id: SS104SU03
SWRCB Tank Id: 19-038-026559-000003
Tank Status: A
Capacity: 12000
Active Date: 08-07-90
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

HIST UST:
File Number: 00026430
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00026430.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: 19001207
Regulated By: UTNKA
Regulated ID: CAL000020
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 3103292129
Mail To: Not reported
Mailing Address: 17315 STUDEBAKER RD
Mailing Address 2: Not reported
Mailing City,St,Zip: TORRANCE 90504
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

E19
East
1/8-1/4
0.141 mi.
745 ft.

P & THY PETROLEUM
1800 W ARTESIA BLVD
TORRANCE, CA 90504

Site 3 of 5 in cluster E

CA UST **U004265139**
N/A

Relative:
Lower

Actual:
27 ft.

UST:
Facility ID: LACoFA0003381
Permitting Agency: Los Angeles County Fire Department
Latitude: 33.8727488
Longitude: -118.3092583

20
ENE
1/8-1/4
0.148 mi.
781 ft.

SAMS AUTO LAND
17311 S WESTERN AVE
GARDENA, CA 90247

CA HIST UST **U001563114**
CA LOS ANGELES CO. HMS **N/A**

Relative:
Lower

Actual:
31 ft.

HIST UST:
File Number: 000274E6
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000274E6.pdf
Region: STATE
Facility ID: 00000002231
Facility Type: Other
Other Type: RETAIL PAINT STORE
Contact Name: Not reported
Telephone: 2133239926
Owner Name: D. M. MOORE CO., INC.
Owner Address: 17311 SO. WESTERN AVENUE.
Owner City,St,Zip: GARDENA, CA 90247
Total Tanks: 0001

Tank Num: 001
Container Num: 1
Year Installed: 1974
Tank Capacity: 00000750
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 16
Leak Detection: None

Click here for Geo Tracker PDF:

LOS ANGELES CO. HMS:
Region: LA
Permit Category: T
Facility Id: 016956-022757
Facility Type: 1
Facility Status: Removed
Area: 2B
Permit Number: 000139119
Permit Status: Removed

Region: LA
Permit Category: I
Facility Id: 016956-043210
Facility Type: 01
Facility Status: Permit
Area: 2B

SAMS AUTO LAND (Continued) **U001563114**

Permit Number: 000426754
Permit Status: Permit

Region: LA
Permit Category: Not reported
Facility Id: 016956-053658
Facility Type: Not reported
Facility Status: OPEN
Area: 2B
Permit Number: Not reported
Permit Status: Not reported

E21 **PRESTIGE STATIONS INC #536** **CA HIST UST** **U001564185**
ESE **1800 ARTESIA BLVD** **N/A**
1/8-1/4 **TORRANCE, CA 90504**
0.165 mi.
871 ft. **Site 4 of 5 in cluster E**

Relative: HIST UST:
Lower
Actual: File Number: Not reported
28 ft. URL: Not reported
Region: STATE
Facility ID: 00000026559
Facility Type: Gas Station
Other Type: Not reported
Contact Name: Not reported
Telephone: 0000000000
Owner Name: ARCO PETROLEUM PRODUCTS CO.
Owner Address: 515 SOUTH FLOWER STREET
Owner City,St,Zip: LOS ANGELES, CA 90071
Total Tanks: 0004

Tank Num: 001
Container Num: 0000000001
Year Installed: 1973
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: 06
Container Construction Thickness: 0000240
Leak Detection: Stock Inventor, 10

Tank Num: 002
Container Num: 0000000002
Year Installed: 1973
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: 06
Container Construction Thickness: 0000240
Leak Detection: Stock Inventor, 10

Tank Num: 003
Container Num: 0000000003
Year Installed: 1973
Tank Capacity: 00008000
Tank Used for: PRODUCT
Type of Fuel: 06
Container Construction Thickness: 0000240
Leak Detection: Stock Inventor, 10

PRESTIGE STATIONS INC #536 (Continued) **U001564185**

Tank Num:	004
Container Num:	0000000004
Year Installed:	Not reported
Tank Capacity:	00000550
Tank Used for:	PRODUCT
Type of Fuel:	WASTE OIL
Container Construction Thickness:	0000093
Leak Detection:	Stock Inventor

E22 **ARCO #1235** **CA LUST S101298262**
ESE **1800 ARTESIA BLVD W** **CA HAZNET N/A**
1/8-1/4 **TORRANCE, CA 90504** **CA HIST CORTESE**
0.165 mi.
871 ft. **Site 5 of 5 in cluster E**

Relative:
Lower

Actual:
28 ft.

LUST:

Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603730804
Global Id:	T0603730804
Latitude:	33.872937
Longitude:	-118.309565
Status:	Open - Remediation
Status Date:	05/17/2012
Case Worker:	JW
RB Case Number:	905040034A
Local Agency:	TORRANCE, CITY OF
File Location:	Regional Board
Local Case Number:	Not reported
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0603730804
Contact Type:	Regional Board Caseworker
Contact Name:	JIMMIE WOO
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 WEST 4TH STREET, SUITE 200
City:	LOS ANGELES
Email:	jwoo@waterboards.ca.gov
Phone Number:	2135766600

Global Id:	T0603730804
Contact Type:	Local Agency Caseworker
Contact Name:	KENNETH LEW
Organization Name:	TORRANCE, CITY OF
Address:	3031 TORRANCE BLVD.
City:	TORRANCE
Email:	Not reported
Phone Number:	3106182973

LUST:

Global Id:	T0603730804
Action Type:	RESPONSE
Date:	10/15/2005
Action:	Soil and Water Investigation Report

ARCO #1235 (Continued) **S101298262**

Global Id: T0603730804
Action Type: RESPONSE
Date: 04/15/2006
Action: Soil and Water Investigation Report

Global Id: T0603730804
Action Type: RESPONSE
Date: 01/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603730804
Action Type: RESPONSE
Date: 01/15/2007
Action: Soil and Water Investigation Report

Global Id: T0603730804
Action Type: RESPONSE
Date: 07/15/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0603730804
Action Type: RESPONSE
Date: 04/15/2012
Action: Conceptual Site Model

Global Id: T0603730804
Action Type: ENFORCEMENT
Date: 03/22/2016
Action: Staff Letter

Global Id: T0603730804
Action Type: Other
Date: 08/21/2001
Action: Leak Reported

Global Id: T0603730804
Action Type: RESPONSE
Date: 01/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603730804
Action Type: RESPONSE
Date: 01/15/2006
Action: Soil and Water Investigation Report

Global Id: T0603730804
Action Type: RESPONSE
Date: 10/15/2006
Action: Soil and Water Investigation Report

Global Id: T0603730804
Action Type: RESPONSE
Date: 07/15/2006
Action: Soil and Water Investigation Report

Global Id: T0603730804
Action Type: RESPONSE

ARCO #1235 (Continued) **S101298262**

Date: 07/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603730804
Action Type: RESPONSE
Date: 10/15/2012
Action: Conceptual Site Model

Global Id: T0603730804
Action Type: RESPONSE
Date: 07/15/2017
Action: Monitoring Report - Semi-Annually

Global Id: T0603730804
Action Type: ENFORCEMENT
Date: 07/27/2004
Action: Staff Letter

Global Id: T0603730804
Action Type: RESPONSE
Date: 11/26/2014
Action: Soil and Water Investigation Workplan - Regulator Responded

Global Id: T0603730804
Action Type: RESPONSE
Date: 07/15/2007
Action: Conceptual Site Model

Global Id: T0603730804
Action Type: RESPONSE
Date: 10/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603730804
Action Type: RESPONSE
Date: 01/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603730804
Action Type: RESPONSE
Date: 04/15/2007
Action: Conceptual Site Model

Global Id: T0603730804
Action Type: RESPONSE
Date: 07/15/2006
Action: Sensitive Receptor Survey Report

Global Id: T0603730804
Action Type: RESPONSE
Date: 01/15/2008
Action: Conceptual Site Model

Global Id: T0603730804
Action Type: RESPONSE
Date: 07/15/2013
Action: Monitoring Report - Semi-Annually

ARCO #1235 (Continued) **S101298262**

Global Id: T0603730804
Action Type: RESPONSE
Date: 01/11/2019
Action: Well Destruction Report

Global Id: T0603730804
Action Type: ENFORCEMENT
Date: 11/04/2002
Action: Staff Letter

Global Id: T0603730804
Action Type: RESPONSE
Date: 12/23/2015
Action: Soil and Water Investigation Workplan - Regulator Responded

Global Id: T0603730804
Action Type: RESPONSE
Date: 04/03/2017
Action: Request for Closure - Regulator Responded

Global Id: T0603730804
Action Type: ENFORCEMENT
Date: 06/15/2009
Action: Staff Letter

Global Id: T0603730804
Action Type: ENFORCEMENT
Date: 05/31/2018
Action: Staff Letter

Global Id: T0603730804
Action Type: RESPONSE
Date: 10/15/2008
Action: Conceptual Site Model

Global Id: T0603730804
Action Type: RESPONSE
Date: 01/15/2009
Action: Conceptual Site Model

Global Id: T0603730804
Action Type: RESPONSE
Date: 07/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603730804
Action Type: RESPONSE
Date: 01/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0603730804
Action Type: RESPONSE
Date: 07/15/2008
Action: Conceptual Site Model

Global Id: T0603730804
Action Type: RESPONSE

ARCO #1235 (Continued) **S101298262**

Date: 07/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603730804
Action Type: RESPONSE
Date: 04/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603730804
Action Type: RESPONSE
Date: 04/15/2008
Action: Conceptual Site Model

Global Id: T0603730804
Action Type: RESPONSE
Date: 10/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603730804
Action Type: RESPONSE
Date: 10/15/2007
Action: Conceptual Site Model

Global Id: T0603730804
Action Type: RESPONSE
Date: 10/15/2004
Action: CAP/RAP - Final Remediation / Design Plan

Global Id: T0603730804
Action Type: RESPONSE
Date: 10/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603730804
Action Type: RESPONSE
Date: 04/15/2014
Action: Monitoring Report - Semi-Annually

Global Id: T0603730804
Action Type: RESPONSE
Date: 01/15/2014
Action: Monitoring Report - Semi-Annually

Global Id: T0603730804
Action Type: RESPONSE
Date: 03/03/2015
Action: Well Installation Report

Global Id: T0603730804
Action Type: ENFORCEMENT
Date: 08/23/2010
Action: Staff Letter

Global Id: T0603730804
Action Type: ENFORCEMENT
Date: 09/27/2012
Action: Waste Discharge Requirements

ARCO #1235 (Continued) **S101298262**

Global Id: T0603730804
Action Type: ENFORCEMENT
Date: 11/01/2018
Action: Staff Letter

Global Id: T0603730804
Action Type: RESPONSE
Date: 10/15/2009
Action: Conceptual Site Model

Global Id: T0603730804
Action Type: RESPONSE
Date: 04/15/2009
Action: Conceptual Site Model

Global Id: T0603730804
Action Type: RESPONSE
Date: 10/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603730804
Action Type: RESPONSE
Date: 04/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603730804
Action Type: RESPONSE
Date: 01/15/2003
Action: Soil and Water Investigation Report

Global Id: T0603730804
Action Type: RESPONSE
Date: 04/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603730804
Action Type: RESPONSE
Date: 01/15/2015
Action: Monitoring Report - Semi-Annually

Global Id: T0603730804
Action Type: ENFORCEMENT
Date: 04/17/2002
Action: Staff Letter

Global Id: T0603730804
Action Type: REMEDIATION
Date: 06/06/2005
Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0603730804
Action Type: ENFORCEMENT
Date: 05/17/2012
Action: Staff Letter

Global Id: T0603730804
Action Type: ENFORCEMENT

ARCO #1235 (Continued) **S101298262**

Date: 12/04/2014
Action: Staff Letter

Global Id: T0603730804
Action Type: ENFORCEMENT
Date: 11/21/2017
Action: Notification - Preclosure

Global Id: T0603730804
Action Type: RESPONSE
Date: 04/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0603730804
Action Type: RESPONSE
Date: 07/15/2009
Action: Conceptual Site Model

Global Id: T0603730804
Action Type: RESPONSE
Date: 04/15/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0603730804
Action Type: RESPONSE
Date: 06/14/2010
Action: Well Installation Workplan

Global Id: T0603730804
Action Type: RESPONSE
Date: 01/15/2018
Action: Monitoring Report - Semi-Annually

Global Id: T0603730804
Action Type: RESPONSE
Date: 04/03/2017
Action: Conceptual Site Model

Global Id: T0603730804
Action Type: RESPONSE
Date: 07/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603730804
Action Type: RESPONSE
Date: 05/31/2002
Action: Other Report / Document

Global Id: T0603730804
Action Type: RESPONSE
Date: 11/14/2002
Action: Other Workplan

Global Id: T0603730804
Action Type: RESPONSE
Date: 01/15/2003
Action: Monitoring Report - Quarterly

ARCO #1235 (Continued) **S101298262**

Global Id: T0603730804
Action Type: RESPONSE
Date: 07/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603730804
Action Type: RESPONSE
Date: 01/15/2011
Action: Conceptual Site Model

Global Id: T0603730804
Action Type: RESPONSE
Date: 01/15/2017
Action: Monitoring Report - Semi-Annually

Global Id: T0603730804
Action Type: REMEDIATION
Date: 03/11/1987
Action: Excavation

Global Id: T0603730804
Action Type: REMEDIATION
Date: 05/01/1988
Action: Other (Use Description Field)

Global Id: T0603730804
Action Type: REMEDIATION
Date: 02/19/1987
Action: Excavation

Global Id: T0603730804
Action Type: RESPONSE
Date: 04/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603730804
Action Type: RESPONSE
Date: 07/15/2003
Action: Soil and Water Investigation Workplan

Global Id: T0603730804
Action Type: RESPONSE
Date: 07/15/2003
Action: Soil and Water Investigation Report

Global Id: T0603730804
Action Type: RESPONSE
Date: 10/15/2003
Action: Soil and Water Investigation Report

Global Id: T0603730804
Action Type: RESPONSE
Date: 01/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603730804
Action Type: RESPONSE

ARCO #1235 (Continued) **S101298262**

Date: 07/15/2003
Action: Interim Remedial Action Report

Global Id: T0603730804
Action Type: RESPONSE
Date: 01/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0603730804
Action Type: RESPONSE
Date: 07/15/2009
Action: Monitoring Report - Semi-Annually

Global Id: T0603730804
Action Type: RESPONSE
Date: 10/15/2009
Action: Monitoring Report - Semi-Annually

Global Id: T0603730804
Action Type: RESPONSE
Date: 01/15/2011
Action: CAP/RAP - Final Remediation / Design Plan

Global Id: T0603730804
Action Type: RESPONSE
Date: 04/15/2010
Action: Conceptual Site Model

Global Id: T0603730804
Action Type: RESPONSE
Date: 10/15/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0603730804
Action Type: RESPONSE
Date: 10/15/2010
Action: Conceptual Site Model

Global Id: T0603730804
Action Type: RESPONSE
Date: 02/03/2011
Action: Well Installation Report

Global Id: T0603730804
Action Type: Other
Date: 06/29/2001
Action: Leak Discovery

Global Id: T0603730804
Action Type: RESPONSE
Date: 01/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603730804
Action Type: RESPONSE
Date: 10/15/2003
Action: Monitoring Report - Quarterly

ARCO #1235 (Continued) **S101298262**

Global Id: T0603730804
Action Type: RESPONSE
Date: 10/15/2003
Action: Soil and Water Investigation Report

Global Id: T0603730804
Action Type: RESPONSE
Date: 10/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603730804
Action Type: RESPONSE
Date: 10/15/2004
Action: CAP/RAP - Feasibility Study Report

Global Id: T0603730804
Action Type: RESPONSE
Date: 10/15/2004
Action: Well Installation Report

Global Id: T0603730804
Action Type: RESPONSE
Date: 10/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603730804
Action Type: RESPONSE
Date: 07/15/2005
Action: Remedial Progress Report

Global Id: T0603730804
Action Type: RESPONSE
Date: 01/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603730804
Action Type: RESPONSE
Date: 06/23/2011
Action: Other Report / Document

Global Id: T0603730804
Action Type: RESPONSE
Date: 07/15/2011
Action: Conceptual Site Model

Global Id: T0603730804
Action Type: RESPONSE
Date: 01/15/2016
Action: Monitoring Report - Semi-Annually

Global Id: T0603730804
Action Type: RESPONSE
Date: 05/22/2016
Action: Conceptual Site Model

Global Id: T0603730804
Action Type: ENFORCEMENT

ARCO #1235 (Continued) **S101298262**

Date: 01/26/2003
Action: Technical Correspondence / Assistance / Other

Global Id: T0603730804
Action Type: ENFORCEMENT
Date: 02/27/2003
Action: 13267 Requirement

Global Id: T0603730804
Action Type: RESPONSE
Date: 04/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603730804
Action Type: RESPONSE
Date: 04/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603730804
Action Type: RESPONSE
Date: 07/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603730804
Action Type: RESPONSE
Date: 07/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603730804
Action Type: RESPONSE
Date: 07/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603730804
Action Type: RESPONSE
Date: 01/15/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0603730804
Action Type: RESPONSE
Date: 01/15/2012
Action: Conceptual Site Model

Global Id: T0603730804
Action Type: RESPONSE
Date: 04/02/2012
Action: Corrective Action Plan / Remedial Action Plan

Global Id: T0603730804
Action Type: RESPONSE
Date: 07/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0603730804
Action Type: RESPONSE
Date: 05/22/2016
Action: Soil and Water Investigation Report

ARCO #1235 (Continued) **S101298262**

Global Id: T0603730804
Action Type: RESPONSE
Date: 07/15/2015
Action: Monitoring Report - Semi-Annually

Global Id: T0603730804
Action Type: RESPONSE
Date: 07/15/2016
Action: Monitoring Report - Semi-Annually

Global Id: T0603730804
Action Type: ENFORCEMENT
Date: 04/19/2005
Action: Staff Letter

LUST:
Global Id: T0603730804
Status: Open - Case Begin Date
Status Date: 06/29/2001

Global Id: T0603730804
Status: Open - Remediation
Status Date: 01/14/2004

Global Id: T0603730804
Status: Open - Remediation
Status Date: 07/27/2004

Global Id: T0603730804
Status: Open - Remediation
Status Date: 01/26/2005

Global Id: T0603730804
Status: Open - Remediation
Status Date: 08/23/2005

Global Id: T0603730804
Status: Open - Remediation
Status Date: 05/17/2012

Global Id: T0603730804
Status: Open - Site Assessment
Status Date: 08/21/2001

Global Id: T0603730804
Status: Open - Site Assessment
Status Date: 11/14/2002

Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701477
Global Id: T0603701477
Latitude: 33.8726517
Longitude: -118.3091555
Status: Completed - Case Closed
Status Date: 10/02/1996

ARCO #1235 (Continued) **S101298262**

Case Worker: YR
RB Case Number: 905040034
Local Agency: TORRANCE, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0603701477
Contact Type: Local Agency Caseworker
Contact Name: RICHARD V. BONGARD
Organization Name: TORRANCE, CITY OF
Address: Not reported
City: R4 UNKNOWN
Email: Not reported
Phone Number: 3106182973

Global Id: T0603701477
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603701477
Action Type: Other
Date: 03/05/1987
Action: Leak Reported

Global Id: T0603701477
Action Type: Other
Date: 03/02/1987
Action: Leak Discovery

Global Id: T0603701477
Action Type: Other
Date: 02/24/1987
Action: Leak Stopped

LUST:
Global Id: T0603701477
Status: Completed - Case Closed
Status Date: 10/02/1996

Global Id: T0603701477
Status: Open - Case Begin Date
Status Date: 02/24/1987

Global Id: T0603701477
Status: Open - Site Assessment
Status Date: 05/01/1996

ARCO #1235 (Continued) **S101298262**

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	905040034A	
Status:	Pollution Characterization	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Undefined	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603730804	
W Global ID:	Not reported	
Staff:	JW	
Local Agency:	19038	
Cross Street:	WESTERN	
Enforcement Type:	DLLET	
Date Leak Discovered:	6/29/2001	
Date Leak First Reported:		8/21/2001
Date Leak Record Entered:	Not reported	
Date Confirmation Began:	8/21/2001	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		9/10/2002
Date the Case was Closed:		Not reported
How Leak Discovered:	OM	
How Leak Stopped:	Other Means	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		1855.19894302983723334454767 4
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		11/14/2002
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	RON ROGERS	
RP Address:	FOUR CENTERPOINTE DR., LPR4-462	
Program:	LUST	
Lat/Long:	33.872937 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	

ARCO #1235 (Continued) **S101298262**

Assigned Name:	Not reported	
Summary:	CITY OF TORRANCE REFERRED CASE TO LARWQCB	
Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	905040034	
Status:	Case Closed	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:		CBCD
Global ID:	T0603701477	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19038	
Cross Street:	WESTERN	
Enforcement Type:	Not reported	
Date Leak Discovered:	3/2/1987	
Date Leak First Reported:		3/5/1987
Date Leak Record Entered:	3/19/1987	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	2/24/1987	
Date Case Last Changed on Database:		1/28/1999
Date the Case was Closed:		10/2/1996
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		1752.65202932609793229259229 28
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		5/1/1996
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		1/16/2004
Hist Max MTBE Conc in Groundwater:		38000
Hist Max MTBE Conc in Soil:		1600
Significant Interim Remedial Action Taken:		Yes
GW Qualifier:	=	
Soil Qualifier:	=	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	ARCO PRODUCTS COMPANY	
RP Address:	P.O. BOX 5077, BUENA PARK, CA 90622-5077	
Program:	LUST	
Lat/Long:	33.8726517 / -1	
Local Agency Staff:	RVB	
Beneficial Use:	Not reported	
Priority:	Not reported	

ARCO #1235 (Continued) **S101298262**

Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: HYDROCARBON OBSERVED ON PERCHED WATER. TANK AND SOIL REMOVEDGW COLLECTION SYSTEM INSTALLED. PURGING FREE PRODUCT. 1/28/99 OFF-SITE WELL ABANDONMENT LETTER REPORT

HAZNET:
Facility Name: TESORO 97610 1235
envid: S101298262
Year: 2013
GEPAID: CAR000233163
Contact: JEFF BAKER
Telephone: 2538968708
Mailing Name: Not reported
Mailing Address: 19100 RIDGEWOOD PKWY MS TX1 022
Mailing City,St,Zip: SAN ANTONIO, TX 78259
Gen County: Los Angeles
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.0038
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Not reported

envid: S101298262
Year: 2013
GEPAID: CAR000233163
Contact: JEFF BAKER
Telephone: 2538968708
Mailing Name: Not reported
Mailing Address: 19100 RIDGEWOOD PKWY MS TX1 022
Mailing City,St,Zip: SAN ANTONIO, TX 78259
Gen County: Los Angeles
TSD EPA ID: NVT330010000
TSD County: 99
Waste Category: Not reported
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.9174
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Not reported

envid: S101298262
Year: 2013
GEPAID: CAR000233163
Contact: JEFF BAKER
Telephone: 2538968708
Mailing Name: Not reported
Mailing Address: 19100 RIDGEWOOD PKWY MS TX1 022
Mailing City,St,Zip: SAN ANTONIO, TX 78259
Gen County: Los Angeles
TSD EPA ID: NVT330010000

ARCO #1235 (Continued) **S101298262**

TSD County: 99
Waste Category: Not reported
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.02
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Not reported

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 905040034

F23 **AVNET** **RCRA-LQG** **1000205908**
SW **2040 ARTESIA BOULEVARD** **FINDS** **CAD008474348**
1/8-1/4 **TORRANCE, CA 90504** **ECHO**
0.176 mi. **CA EMI**
927 ft. **Site 1 of 2 in cluster F**

Relative: **Higher**
Actual: **48 ft.**

RCRA-LQG:
Date form received by agency: 02/21/2013
Facility name: AVNET, INC. (FORMER FREEMAN PRODUCTS)
Facility address: 2040 ARTESIA BOULEVARD
TORRANCE, CA 90504
EPA ID: CAD008474348
Mailing address: ARTESIA BOULEVARD
TORRANCE, CA 90504
Contact: S.ALAN LAZAR
Contact address: SOUTH 47TH STREET
TORRANCE, CA 90504
Contact country: US
Contact telephone: 480-643-7185
Contact email: SANDY.LAZAR@AVNET.COM
EPA Region: 09
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:
Owner/operator name: CATHOLIC ARCHDIOCESE OF LA
Owner/operator address: WILSHIRE BLVD
LOS ANGELES, CA 90010
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Owner/operator email: Not reported

AVNET (Continued) **1000205908**

Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1999
Owner/Op end date: Not reported

Owner/operator name: THE ARCHDIOCES OF LOS ANGELES
Owner/operator address: 3424 WILSHIRE BOULEVARD
LOS ANGELES, CA 90010
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 12/10/1996
Owner/Op end date: Not reported

Owner/operator name: AVNET, INC.
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1974
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: AVNET, INC.
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 10/01/1974

AVNET (Continued) **1000205908**

Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D008
. Waste name: LEAD

Historical Generators:
Date form received by agency: 05/14/2008
Site name: AVNET, INC (FORMER FREEMAN PRODUCTS)
Classification: Large Quantity Generator

. Waste code: D040
. Waste name: TRICHLOROETHYLENE

Date form received by agency: 03/08/2006
Site name: AVNET INC
Classification: Small Quantity Generator

Date form received by agency: 03/08/2006
Site name: AVNET INC
Classification: Large Quantity Generator

. Waste code: 134
. Waste name: Aqueous solution with <10% total organic residues

. Waste code: D029
. Waste name: 1,1-DICHLOROETHYLENE

. Waste code: D040
. Waste name: TRICHLOROETHYLENE

Date form received by agency: 11/26/1997
Site name: AVNET
Classification: Large Quantity Generator

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D007
. Waste name: CHROMIUM

AVNET (Continued) **1000205908**

. Waste code: D008
. Waste name: LEAD

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: D040
. Waste name: TRICHLOROETHYLENE

Date form received by agency: 09/01/1996
Site name: AVNET
Classification: Small Quantity Generator

Date form received by agency: 08/18/1980
Site name: AVNET
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110008260782

Environmental Interest/Information System

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZARDOUS AIR POLLUTANT MAJOR

HAZARDOUS WASTE BIENNIAL REPORTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000205908

AVNET (Continued) **1000205908**

Registry ID: 110008260782
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110008260782

EMI:

Year:	1987
County Code:	19
Air Basin:	SC
Facility ID:	608
Air District Name:	SC
SIC Code:	3471
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:	2
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

Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	608
Air District Name:	SC
SIC Code:	3471
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:	9
Reactive Organic Gases Tons/Yr:	1
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

Year:	1993
County Code:	19
Air Basin:	SC
Facility ID:	608
Air District Name:	SC
SIC Code:	3471
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:	16
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	1995
County Code:	19

AVNET (Continued) **1000205908**

Air Basin:	SC
Facility ID:	608
Air District Name:	SC
SIC Code:	3471
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:	16
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

F24 **FREEMAN PRODUCTS / AVNET INC.** **CA RESPONSE** **S104404747**
SW **2040 ARTESIA BOULEVARD** **CA ENVIROSTOR** **N/A**
1/8-1/4 **TORRANCE, CA 90504** **CA CPS-SLIC**
0.176 mi. **CA Cortese**
927 ft. **Site 2 of 2 in cluster F** **LA Co. Site Mitigation**

Relative: **Higher**

Actual: **48 ft.**

RESPONSE:

Facility ID:	60000835
Site Type:	State Response
Site Type Detail:	State Response or NPL
Acres:	2.3
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Daniel Zogaib
Supervisor:	Emad Yemut
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	401377
Site Mgmt. Req.:	NONE SPECIFIED
Assembly:	66
Senate:	35
Special Program Status:	Not reported
Status:	Active
Status Date:	02/29/2008
Restricted Use:	NO
Funding:	Responsible Party
Latitude:	33.87166
Longitude:	-118.3148
APN:	4096002044
Past Use:	METAL FINISHING, METAL PLATING - CHROME, METAL PLATING - OTHER
Potential COC :	Arsenic Benzene Total Chromium (1:6 ratio Cr VI:Cr III Tetrachloroethylene (PCE TPH-gas 1,1,1-Trichloroethane (TCA Trichloroethylene (TCE Vinyl chloride Ethylbenzene Toluene
Confirmed COC:	30001-NO Benzene Total Chromium (1:6 ratio Cr VI:Cr III Tetrachloroethylene (PCE TPH-gas 1,1,1-Trichloroethane (TCA Ethylbenzene Toluene Vinyl chloride Trichloroethylene (TCE
Potential Description:	IA, OTH, SOIL, SV
Alias Name:	4096002044
Alias Type:	APN
Alias Name:	SL2048X1710
Alias Type:	GeoTracker Global ID
Alias Name:	401377
Alias Type:	Project Code (Site Code)

FREEMAN PRODUCTS / AVNET INC. (Continued) **S104404747**

Alias Name: 60000835
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/29/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 12/08/2016
Comments: Revised cost estimate sent.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/20/2018
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 09/20/2018
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/09/2017
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/29/2017
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/29/2018
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/01/2018
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/27/2018
Comments: Approved

FREEMAN PRODUCTS / AVNET INC. (Continued) **S104404747**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 10/01/2018
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/13/2007
Comments: Letter was sent to ALs via email and US Mail.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/30/2007
Comments: Letter was sent to Environ via email and US Mail.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 07/11/2018
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/24/2018
Comments: FY 1819 Estimate: $81,905

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/09/2014
Comments: Cost estimate letter sent to RP on 09/10/14.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/20/2017
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/06/2017
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/16/2017
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork

FREEMAN PRODUCTS / AVNET INC. (Continued) **S104404747**

Completed Date: 07/05/2016
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 09/30/2016
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/20/2017
Comments: Approved with comments.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 03/20/2017
Comments: Approved with comments.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/05/2017
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/10/2017
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/20/2018
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/16/2018
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/03/2018
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/06/2018
Comments: Completed

FREEMAN PRODUCTS / AVNET INC. (Continued) **S104404747**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/05/2018
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/17/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 12/22/2006
Comments: This document was approved by the LA Regional Waterboard before the site was transferred to DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 04/30/2007
Comments: This letter was to formalize the transfer of the Site to DTSC and did not require a final DTSC letter.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 05/18/2007
Comments: The memo work plan was found to be acceptable.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/12/2007
Comments: Document was reviewed and deemed acceptable.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/28/2008
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 05/28/2008
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 05/28/2008
Comments: Approved

Completed Area Name: PROJECT WIDE

FREEMAN PRODUCTS / AVNET INC. (Continued) **S104404747**

Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 09/03/2008
Comments: Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/11/2008
Comments: Accepted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/11/2008
Comments: Accepted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/22/2008
Comments: Approved with comments applicable to the future reports.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/09/2009
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 08/17/2009
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 10/13/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/13/2009
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/25/2009
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/25/2009

FREEMAN PRODUCTS / AVNET INC. (Continued) **S104404747**

Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 12/09/2009
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 08/17/2010
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/29/2009
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/28/2010
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/04/2010
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/04/2010
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/13/2009
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/14/2009
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/23/2009
Comments: Approved

Completed Area Name: PROJECT WIDE

FREEMAN PRODUCTS / AVNET INC. (Continued) **S104404747**

Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/17/2010
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 12/21/2010
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/21/2010
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 01/27/2011
Comments: Conditionally approved. The changes requested by DTSC will be noted in the report instead of a revised work plan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/27/2011
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 05/17/2011
Comments: Completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 04/28/2011
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/14/2011
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/14/2011
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

FREEMAN PRODUCTS / AVNET INC. (Continued) **S104404747**

Completed Date: 05/19/2011
Comments: Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/15/2011
Comments: Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 09/22/2011
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/15/2011
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/20/2011
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 01/05/2012
Comments: Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/09/2012
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/15/2012
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/15/2012
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/01/2012
Comments: Completed

FREEMAN PRODUCTS / AVNET INC. (Continued) **S104404747**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Treatability Study Report
Completed Date: 04/17/2012
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/05/2012
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 07/11/2012
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/15/2012
Comments: approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/25/2012
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 10/25/2012
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/06/2012
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/06/2012
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/06/2012
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Well Installation Workplan

FREEMAN PRODUCTS / AVNET INC. (Continued) **S104404747**

Completed Date: 01/17/2013
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/14/2013
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 04/16/2013
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/25/2013
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/15/2013
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/10/2013
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 07/02/2013
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Well Installation Workplan
Completed Date: 07/02/2013
Comments: Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/03/2013
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/16/2013
Comments: Approved

FREEMAN PRODUCTS / AVNET INC. (Continued) **S104404747**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/14/2013
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 12/04/2014
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 10/17/2014
Comments: Community Profile Section is Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/16/2013
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/23/2014
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 02/21/2014
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/24/2014
Comments: Conditionally approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/10/2014
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 05/12/2014
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

FREEMAN PRODUCTS / AVNET INC. (Continued) **S104404747**

Completed Date: 05/20/2014
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/15/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 11/24/2014
Comments: Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/22/2014
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/06/2015
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/08/2015
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/02/2015
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/08/2015
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/26/2016
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/23/2014
Comments: Approved

FREEMAN PRODUCTS / AVNET INC. (Continued) **S104404747**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 01/08/2015
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 05/15/2015
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/22/2016
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/11/2016
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/31/2016
Comments: Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/19/2016
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/20/2016
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/28/2017
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 03/22/2016
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan

FREEMAN PRODUCTS / AVNET INC. (Continued) **S104404747**

Completed Date: 05/31/2016
Comments: Conditionally approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/15/2016
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 10/24/2016
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/20/2017
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)
Completed Date: 04/30/2008
Comments: Remedial Action Agreement fully executed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/17/2016
Comments: Annual Cost Estimate sent to RP.

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Remedial Investigation / Feasibility Study
Future Due Date: 2019
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

ENVIROSTOR:
Facility ID: 60000835
Status: Active
Status Date: 02/29/2008
Site Code: 401377
Site Type: State Response
Site Type Detailed: State Response or NPL
Acres: 2.3
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Daniel Zogaib
Supervisor: Emad Yemut
Division Branch: Southern California Schools & Brownfields Outreach

FREEMAN PRODUCTS / AVNET INC. (Continued) **S104404747**

Assembly: 66
Senate: 35
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 33.87166
Longitude: -118.3148
APN: 4096002044
Past Use: METAL FINISHING, METAL PLATING - CHROME, METAL PLATING - OTHER
Potential COC: Arsenic Benzene Total Chromium (1:6 ratio Cr VI:Cr III Tetrachloroethylene (PCE TPH-gas 1,1,1-Trichloroethane (TCA Trichloroethylene (TCE Vinyl chloride Ethylbenzene Toluene
Confirmed COC: 30001-NO Benzene Total Chromium (1:6 ratio Cr VI:Cr III Tetrachloroethylene (PCE TPH-gas 1,1,1-Trichloroethane (TCA Ethylbenzene Toluene Vinyl chloride Trichloroethylene (TCE
Potential Description: IA, OTH, SOIL, SV
Alias Name: 4096002044
Alias Type: APN
Alias Name: SL2048X1710
Alias Type: GeoTracker Global ID
Alias Name: 401377
Alias Type: Project Code (Site Code)
Alias Name: 60000835
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/29/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 12/08/2016
Comments: Revised cost estimate sent.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/20/2018
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 09/20/2018
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/09/2017
Comments: Completed

Completed Area Name: PROJECT WIDE

FREEMAN PRODUCTS / AVNET INC. (Continued) **S104404747**

Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/29/2017
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/29/2018
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/01/2018
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/27/2018
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 10/01/2018
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/13/2007
Comments: Letter was sent to ALs via email and US Mail.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/30/2007
Comments: Letter was sent to Environ via email and US Mail.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 07/11/2018
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/24/2018
Comments: FY 1819 Estimate: $81,905

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/09/2014

FREEMAN PRODUCTS / AVNET INC. (Continued) **S104404747**

Comments: Cost estimate letter sent to RP on 09/10/14.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/20/2017
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/06/2017
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/16/2017
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 07/05/2016
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 09/30/2016
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/20/2017
Comments: Approved with comments.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 03/20/2017
Comments: Approved with comments.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/05/2017
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/10/2017
Comments: Approved

Completed Area Name: PROJECT WIDE

FREEMAN PRODUCTS / AVNET INC. (Continued) **S104404747**

Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/20/2018
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/16/2018
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/03/2018
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/06/2018
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/05/2018
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/17/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 12/22/2006
Comments: This document was approved by the LA Regional Waterboard before the site was transferred to DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 04/30/2007
Comments: This letter was to formalize the transfer of the Site to DTSC and did not require a final DTSC letter.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 05/18/2007
Comments: The memo work plan was found to be acceptable.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

FREEMAN PRODUCTS / AVNET INC. (Continued) **S104404747**

Completed Document Type: Monitoring Report
Completed Date: 07/12/2007
Comments: Document was reviewed and deemed acceptable.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/28/2008
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 05/28/2008
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 05/28/2008
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 09/03/2008
Comments: Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/11/2008
Comments: Accepted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/11/2008
Comments: Accepted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/22/2008
Comments: Approved with comments applicable to the future reports.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/09/2009
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 08/17/2009
Comments: Approved

FREEMAN PRODUCTS / AVNET INC. (Continued) **S104404747**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 10/13/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/13/2009
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/25/2009
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/25/2009
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 12/09/2009
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 08/17/2010
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/29/2009
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/28/2010
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/04/2010
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

FREEMAN PRODUCTS / AVNET INC. (Continued) **S104404747**

Completed Date: 08/04/2010
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/13/2009
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/14/2009
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/23/2009
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/17/2010
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 12/21/2010
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/21/2010
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 01/27/2011
Comments: Conditionally approved. The changes requested by DTSC will be noted in the report instead of a revised work plan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/27/2011
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 05/17/2011
Comments: Completed.

FREEMAN PRODUCTS / AVNET INC. (Continued) **S104404747**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 04/28/2011
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/14/2011
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/14/2011
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/19/2011
Comments: Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/15/2011
Comments: Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 09/22/2011
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/15/2011
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/20/2011
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 01/05/2012
Comments: Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

FREEMAN PRODUCTS / AVNET INC. (Continued) **S104404747**

Completed Date: 01/09/2012
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/15/2012
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/15/2012
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/01/2012
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Treatability Study Report
Completed Date: 04/17/2012
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/05/2012
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 07/11/2012
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/15/2012
Comments: approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/25/2012
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 10/25/2012
Comments: Approved

FREEMAN PRODUCTS / AVNET INC. (Continued) **S104404747**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/06/2012
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/06/2012
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/06/2012
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Well Installation Workplan
Completed Date: 01/17/2013
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/14/2013
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 04/16/2013
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/25/2013
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/15/2013
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/10/2013
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot/Treatability Study Report

FREEMAN PRODUCTS / AVNET INC. (Continued) **S104404747**

Completed Date: 07/02/2013
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Well Installation Workplan
Completed Date: 07/02/2013
Comments: Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/03/2013
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/16/2013
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/14/2013
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 12/04/2014
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 10/17/2014
Comments: Community Profile Section is Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/16/2013
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/23/2014
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 02/21/2014
Comments: Approved

FREEMAN PRODUCTS / AVNET INC. (Continued) **S104404747**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/24/2014
Comments: Conditionally approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/10/2014
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 05/12/2014
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/20/2014
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/15/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 11/24/2014
Comments: Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/22/2014
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/06/2015
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/08/2015
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

FREEMAN PRODUCTS / AVNET INC. (Continued) **S104404747**

Completed Date: 10/02/2015
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/08/2015
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/26/2016
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/23/2014
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 01/08/2015
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 05/15/2015
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/22/2016
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/11/2016
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/31/2016
Comments: Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/19/2016
Comments: Approved

FREEMAN PRODUCTS / AVNET INC. (Continued) **S104404747**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/20/2016
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/28/2017
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 03/22/2016
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 05/31/2016
Comments: Conditionally approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/15/2016
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 10/24/2016
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/20/2017
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)
Completed Date: 04/30/2008
Comments: Remedial Action Agreement fully executed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/17/2016
Comments: Annual Cost Estimate sent to RP.

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Remedial Investigation / Feasibility Study

FREEMAN PRODUCTS / AVNET INC. (Continued) **S104404747**

Future Due Date: 2019
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

CPS-SLIC:
Region: STATE
Facility Status: **Open - Inactive**
Status Date: 10/30/2014
Global Id: SL2048X1710
Lead Agency: DEPARTMENT OF TOXIC SUBSTANCES CONTROL
Lead Agency Case Number: 60000835
Latitude: 33.872846
Longitude: -118.312546
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: Not reported
File Location: DTSC
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Case transferred to DSTC on 4/30/07

Click here to access the California GeoTracker records for this facility:

SLIC REG 4:
Region: 4
Facility Status: Site Assessment
SLIC: 0893
Substance: TCE
Staff: RE

CORTESE:
Region: CORTESE
Envirostor Id: 60000835
Site/Facility Type: STATE RESPONSE
Cleanup Status: ACTIVE
Status Date: 02/29/2008
Site Code: 401377
Latitude: 33.871661
Longitude: -118.31481
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: envirostor
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: Haz Waste & Substances Sites

FREEMAN PRODUCTS / AVNET INC. (Continued) **S104404747**

LA Co. Site Mitigation:
- Facility ID: Not reported
- Status: Not reported
- Site ID: SD0010547
- Jurisdiction: State
- Case ID: RO0000416
- Abated: Yes
- Assigned To: GB
- Entered Date: 05/11/2004
- Abated Date: 09/07/1999

G25 **ARCO SERVICE STATION #1235** **CA UST** **U003895735**
East **1800 ARTESIA BLVD** **N/A**
1/8-1/4 **, CA**
0.181 mi.
955 ft. **Site 1 of 8 in cluster G**

Relative: **Lower**

Actual: **30 ft.**

TORRANCE UST:
- Region: TORRANCE
- Facility ID: 26559
- Suite: Not reported
- Facility Status: Active

G26 **ALBERTSON SHOPPING CENTER** **US BROWNFIELDS** **1023619067**
East **ARTESIA BOULEVARD AND WESTERN AVENUE** **FINDS** **N/A**
1/8-1/4 **GARDENA, CA 90504**
0.183 mi.
965 ft. **Site 2 of 8 in cluster G**

Relative: **Lower**

Actual: **31 ft.**

US BROWNFIELDS:
- Property Name: ALBERTSON SHOPPING CENTER
- Recipient Name: Gardena, City of
- Grant Type: Assessment
- Property Number: Not reported
- Parcel size: Not reported
- Latitude: 33.87281
- Longitude: -118.309143
- HCM Label: Not reported
- Map Scale: Not reported
- Point of Reference: Not reported
- Highlights: Not reported
- Datum: Not reported
- Acres Property ID: 14383
- IC Data Access: Not reported
- Start Date: Not reported
- Redev Completition Date: Not reported
- Completed Date: Not reported
- Acres Cleaned Up: Not reported
- Cleanup Funding: Not reported
- Cleanup Funding Source: Not reported
- Assessment Funding: Not reported
- Assessment Funding Source: Not reported
- Redevelopment Funding: Not reported
- Redev. Funding Source: Not reported
- Redev. Funding Entity Name: Not reported
- Redevelopment Start Date: Not reported

ALBERTSON SHOPPING CENTER (Continued) **1023619067**

Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Not reported
Accomplishment Count:	0
Cooperative Agreement Number:	98976301
Start Date:	Not reported
Ownership Entity:	Not reported
Completion Date:	Not reported
Current Owner:	Not reported
Did Owner Change:	Not reported
Cleanup Required:	Y
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	U
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported

ALBERTSON SHOPPING CENTER (Continued) **1023619067**

Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Not reported
Below Poverty Number:	586
Below Poverty Percent:	10.3%
Meidan Income:	8283
Meidan Income Number:	1617
Meidan Income Percent:	28.3%
Vacant Housing Number:	129
Vacant Housing Percent:	5.3%
Unemployed Number:	267
Unemployed Percent:	4.7%

FINDS:

Registry ID: 110061017377

ALBERTSON SHOPPING CENTER (Continued) **1023619067**

Environmental Interest/Information System
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

G27 **LOS ANGELES COUNTY ROAD DEPART** **CA WMUDS/SWAT** **S103441362**
East **ARTESIA & WESTERN** **N/A**
1/8-1/4 **GARDENA, CA**
0.183 mi.
966 ft. **Site 3 of 8 in cluster G**

Relative: **Lower**

Actual: **31 ft.**

WMUDS/SWAT:

Edit Date:	Not reported
Complexity:	Not reported
Primary Waste:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Base Meridian:	Not reported
NPID:	Not reported
Tonnage:	0
Regional Board ID:	Not reported
Municipal Solid Waste:	False
Superorder:	False
Open To Public:	False
Waste List:	False
Agency Type:	Not reported
Agency Name:	LOS ANGELES COUNTY ROAD DEPART
Agency Department:	Not reported
Agency Address:	Not reported
Agency City,St,Zip:	Not reported
Agency Contact:	Not reported
Agency Telephone:	Not reported
Land Owner Name:	Not reported
Land Owner Address:	Not reported
Land Owner City,St,Zip:	CA
Land Owner Contact:	Not reported
Land Owner Phone:	Not reported
Region:	4
Facility Type:	Not reported
Facility Description:	Not reported
Facility Telephone:	Not reported
SWAT Facility Name:	Not reported
Primary SIC:	Not reported
Secondary SIC:	Not reported
Comments:	Not reported
Last Facility Editors:	Not reported
Waste Discharge System:	False
Solid Waste Assessment Test Program:	True
Toxic Pits Cleanup Act Program:	False
Resource Conservation Recovery Act:	False
Department of Defence:	False
Solid Waste Assessment Test Program:	LOS ANGELES COUNTY ROAD DEPARTMENT
Threat to Water Quality:	Not reported

LOS ANGELES COUNTY ROAD DEPART (Continued) **S103441362**

Sub Chapter 15:	False
Regional Board Project Officer:	LT
Number of WMUDS at Facility:	1
Section Range:	Not reported
RCRA Facility:	Not reported
Waste Discharge Requirements:	Not reported
Self-Monitoring Rept. Frequency:	Not reported
Waste Discharge System ID:	4 190092NUR
Solid Waste Information ID:	Not reported

28
ENE
1/8-1/4
0.185 mi.
975 ft.

GOLDWATER INDUSTRIES, INC.
17221 WESTERN AVE S
GARDENA, CA 90247

CA LUST **S108997053**
N/A

Relative:
Lower

Actual:
34 ft.

LUST:

Lead Agency:	LOS ANGELES COUNTY
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603777059
Global Id:	T0603777059
Latitude:	33.873691
Longitude:	-118.311042
Status:	Completed - Case Closed
Status Date:	03/31/2008
Case Worker:	AAG
RB Case Number:	Not reported
Local Agency:	LOS ANGELES COUNTY
File Location:	Not reported
Local Case Number:	30415-44645
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

LUST:

Global Id:	T0603777059
Contact Type:	Local Agency Caseworker
Contact Name:	ALBERTO GRAJEDA
Organization Name:	LOS ANGELES COUNTY
Address:	900 S. FREMONT AVE.
City:	ALHAMBRA
Email:	algrajeda@dpw.lacounty.gov
Phone Number:	Not reported

Global Id:	T0603777059
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0603777059
Action Type:	Other
Date:	03/18/2005
Action:	Leak Reported

GOLDWATER INDUSTRIES, INC. (Continued) **S108997053**

Global Id: T0603777059
Action Type: REMEDIATION
Date: 03/18/2005
Action: Not reported

Global Id: T0603777059
Action Type: Other
Date: 03/18/2005
Action: Leak Discovery

Global Id: T0603777059
Action Type: ENFORCEMENT
Date: 03/31/2008
Action: Closure/No Further Action Letter

LUST:
Global Id: T0603777059
Status: Completed - Case Closed
Status Date: 03/31/2008

Global Id: T0603777059
Status: Open - Case Begin Date
Status Date: 03/18/2005

Global Id: T0603777059
Status: Open - Site Assessment
Status Date: 03/18/2005

H29 **CONTROL PLATING COMPANY INC** **CA ENVIROSTOR** **U001563051**
NNW **17014 GRAMERCY PLACE** **CA HIST UST** **N/A**
1/8-1/4 **GARDENA, CA 90247** **CA HIST CORTESE**
0.186 mi. **CA WDS**
983 ft. **Site 1 of 4 in cluster H** **CA CIWQS**

Relative: Lower

Actual: 38 ft.

ENVIROSTOR:
Facility ID: 71002368
Status: Refer: Other Agency
Status Date: Not reported
Site Code: Not reported
Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Chatsworth
Assembly: 66
Senate: 35
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.89444
Longitude: -118.3135

CONTROL PLATING COMPANY INC (Continued) **U001563051**

APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD040938565
Alias Type: EPA Identification Number
Alias Name: 110002140139
Alias Type: EPA (FRS #)
Alias Name: 71002368
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 01/31/2001
Comments: Referred to local CUPA

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

Facility ID: 19340007
Status: Refer: Other Agency
Status Date: 08/31/1995
Site Code: Not reported
Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Sayareh Amirebrahimi
Division Branch: Cleanup Chatsworth
Assembly: 66
Senate: 35
Special Program: * RCRA 3012 - Past Haz Waste Disp Inven Site
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.87611
Longitude: -118.3130
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: * HALOGENATED SOLVENTS * ORGANIC LIQUIDS WITH METALS * OXYGENATED SOLVENTS * UNSPECIFIED SLUDGE WASTE Chromium VI Cyanide (free Nickel
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD040938565
Alias Type: EPA Identification Number

CONTROL PLATING COMPANY INC (Continued) **U001563051**

Alias Name: 110002140139
Alias Type: EPA (FRS #)
Alias Name: 19340007
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 05/01/1984
Comments: SOURCE ACT: PLATING - CU, NI, CR YR OF OPER: 1974 TO PRESENT METAL STRIPPING OPERATION ON THE BACK LOT BY THE DOMINGUEZ CHANNEL; WASTES DRAINING ON POORLY PAVED GROUND TO THE CHANNEL; SOME WERE LEAKING; BARREL WITH HOLES - IMPROPER WASTE TO SEWERS; CO ENGR ISSUED CEASE & DESIST INCIDENT: ELECTRIC PANEL FIRE ABOUT 1981 ENF HISTORY: 2/6/78 VIO OF EXCESS HEAVY METAL/CYANIDE; 3/28/78 VIO OF EXCESS NI, ZN; 11/14/78 FINAL VIO #30299 VIO OF SANIT DIST ORDINANCE; 4/8/80 VIO CITY ORDINANCE, #1149 SUBMIT TO EPA PRELIM ASSESS DONE RCRA 3012

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 09/26/1983
Comments: FACILITY IDENTIFIED ID FROM ERRIS

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 11/23/1981
Comments: FACILITY IDENTIFIED EPA NOTIS #3

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

HIST UST:
File Number: 000273CD
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000273CD.pdf
Region: STATE
Facility ID: 00000017529
Facility Type: Other
Other Type: ELECTROPLATING
Contact Name: JOSEPH C. FEENER
Telephone: 2135328144
Owner Name: CONTROL PLATING CO. INC.
Owner Address: 17014 GRAMERCY PLACE
Owner City,St,Zip: GARDENA, CA 90247
Total Tanks: 0001

Tank Num: 001
Container Num: 1

CONTROL PLATING COMPANY INC (Continued) **U001563051**

Year Installed:	1974
Tank Capacity:	00001620
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Visual

Click here for Geo Tracker PDF:

HIST CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	CALSI
Reg Id:	19340007

WDS:

Facility ID:	4 19I001689
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	4
Facility Telephone:	3105328144
Facility Contact:	ALBERT LEONHARDT
Agency Name:	CONTROL PLATING CO INC
Agency Address:	17014 Gramercy Pl
Agency City,St,Zip:	Gardena 902475209
Agency Contact:	JOSEPH C FEENER
Agency Telephone:	3105328144
Agency Type:	Private
SIC Code:	0
SIC Code 2:	Not reported
Primary Waste Type:	Not reported
Primary Waste:	Not reported
Waste Type2:	Not reported
Waste2:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	Not reported
POTW:	Not reported
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as

CONTROL PLATING COMPANY INC (Continued) **U001563051**

cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

CIWQS:

Agency:	Control Plating Co Inc
Agency Address:	17014 Gramercy Pl, Gardena, CA 90247
Place/Project Type:	Industrial - Electroplating, Plating, Polishing, Anodizing, and Coloring
SIC/NAICS:	3471
Region:	4
Program:	INDSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	4 19I001689
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	03/30/1992
Termination Date:	02/25/2009
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:	33.87674
Longitude:	-118.31348

H30 **CONTROL PLATING CO., INC.** **SEMS-ARCHIVE** **1000420026**
NNW **17014 GRAMERCY PLACE** **RCRA-LQG** **CAD040938565**
1/8-1/4 **GARDENA, CA 90247** **CA LOS ANGELES CO. HMS**
0.186 mi.
983 ft. **Site 2 of 4 in cluster H**

Relative: **Lower**
Actual: **38 ft.**

SEMS Archive:

Site ID:	0901322
EPA ID:	CAD040938565
Cong District:	32
FIPS Code:	06037
FF:	N
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information
Latitude:	33.873611
Longitude:	-118.312500

SEMS Archive Detail:

Region:	09
Site ID:	0901322
EPA ID:	CAD040938565
Site Name:	CONTROL PLATING CO INC
NPL:	N
FF:	N
OU:	00
Action Code:	VS

CONTROL PLATING CO., INC. (Continued) **1000420026**

Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1986-06-01 04:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 09
Site ID: 0901322
EPA ID: CAD040938565
Site Name: CONTROL PLATING CO INC
NPL: N
FF: N
OU: 00
Action Code: SI
Action Name: SI
SEQ: 1
Start Date: Not reported
Finish Date: 1986-06-01 04:00:00
Qual: N
Current Action Lead: EPA Perf

Region: 09
Site ID: 0901322
EPA ID: CAD040938565
Site Name: CONTROL PLATING CO INC
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1981-06-01 04:00:00
Finish Date: 1981-06-01 04:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0901322
EPA ID: CAD040938565
Site Name: CONTROL PLATING CO INC
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: 1984-08-01 05:00:00
Finish Date: 1984-09-01 05:00:00
Qual: L
Current Action Lead: St Perf

RCRA-LQG:
Date form received by agency: 02/28/2008
Facility name: CONTROL PLATING CO., INC.
Facility address: 17014 GRAMERCY PLACE

CONTROL PLATING CO., INC. (Continued) **1000420026**

GARDENA, CA 90247
EPA ID: CAD040938565
Mailing address: 17014 GRAERCY PLACE
GARDENA, CA 90247
Contact: CHARLES W BERRY
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: 626-261-1761
Contact email: CW@CWBERRYIII.COM
EPA Region: 09
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:
Owner/operator name: ALBERT LEONHARDT
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/2001
Owner/Op end date: Not reported

Owner/operator name: CONTROL PLATING CO., INC.
Owner/operator address: 17014 GRAMERCY PLACE
GARDENA, CA 90247
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1975
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No

CONTROL PLATING CO., INC. (Continued) **1000420026**

Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: F006
. Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Historical Generators:
Date form received by agency: 03/01/2006
Site name: CONTROL PLATING COMPANY, INC.
Classification: Small Quantity Generator

Date form received by agency: 03/01/2006
Site name: CONTROL PLATING COMPANY, INC.
Classification: Large Quantity Generator

. Waste code: 171
. Waste name: Metal sludge (see 121)

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 711
. Waste name: Liquids with cyanides > 1000 mg/l

. Waste code: D003
. Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE

CONTROL PLATING CO., INC. (Continued) **1000420026**

OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: F006
. Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

. Waste code: F007
. Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS

Date form received by agency: 10/12/2000
Site name: CONTROL PLATING
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996
Site name: CONTROL PLATING CO
Classification: Small Quantity Generator

Date form received by agency: 08/08/1980
Site name: CONTROL PLATING CO
Classification: Large Quantity Generator

Violation Status: No violations found

LOS ANGELES CO. HMS:
Region: LA
Permit Category: I
Facility Id: 004988-I05176
Facility Type: 01
Facility Status: Closed
Area: 2B
Permit Number: 00002185J
Permit Status: Closed

Region: LA
Permit Category: S
Facility Id: 004988-047610
Facility Type: S6
Facility Status: Closed
Area: 2B
Permit Number: CGI001689
Permit Status: Closed

Region: LA
Permit Category: Not reported
Facility Id: 004988-054256
Facility Type: Not reported
Facility Status: OPEN
Area: 2B
Permit Number: Not reported
Permit Status: Not reported

I31 **GARDENA HUB** **CA HIST UST** **S118410462**
NNE **17111 SO WESTERN ST** **N/A**
1/8-1/4 **GARDENA, CA 90247**
0.188 mi.
992 ft. **Site 1 of 4 in cluster I**

Relative:
Higher

Actual:
39 ft.

HIST UST:

File Number:	0002840F
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002840F.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:

I32 **UNITED PARCEL SERVICE** **CA LUST** **1000399346**
NNE **17111 S WESTERN AVE** **CA FID UST** **N/A**
1/8-1/4 **GARDENA, CA 90247** **CA HIST CORTESE**
0.188 mi.
992 ft. **Site 2 of 4 in cluster I**

Relative:
Higher

Actual:
39 ft.

LUST:

Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603702681
Global Id:	T0603702681
Latitude:	33.8756
Longitude:	-118.31082
Status:	Completed - Case Closed
Status Date:	10/17/1996
Case Worker:	YR
RB Case Number:	I-00167
Local Agency:	LOS ANGELES COUNTY
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0603702681
Contact Type:	Local Agency Caseworker
Contact Name:	JOHN AWUJO
Organization Name:	LOS ANGELES COUNTY

UNITED PARCEL SERVICE (Continued) **1000399346**

Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

Global Id: T0603702681
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603702681
Action Type: Other
Date: 10/22/1991
Action: Leak Reported

Global Id: T0603702681
Action Type: Other
Date: 10/21/1991
Action: Leak Discovery

Global Id: T0603702681
Action Type: Other
Date: 10/21/1991
Action: Leak Stopped

LUST:
Global Id: T0603702681
Status: Completed - Case Closed
Status Date: 10/17/1996

Global Id: T0603702681
Status: Open - Case Begin Date
Status Date: 10/10/1990

Global Id: T0603702681
Status: Open - Remediation
Status Date: 11/21/1991

Global Id: T0603702681
Status: Open - Site Assessment
Status Date: 10/10/1990

Global Id: T0603702681
Status: Open - Site Assessment
Status Date: 10/16/1991

Global Id: T0603702681
Status: Open - Verification Monitoring
Status Date: 04/23/1992

UNITED PARCEL SERVICE (Continued) **1000399346**

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	I-00167	
Status:	Case Closed	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:		Excavate and Dispose
Global ID:	T0603702681	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19000	
Cross Street:	CERRITOS	
Enforcement Type:	Not reported	
Date Leak Discovered:	10/21/1991	
Date Leak First Reported:		10/22/1991
Date Leak Record Entered:	12/20/1991	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	10/21/1991	
Date Case Last Changed on Database:		1/24/1997
Date the Case was Closed:		10/17/1996
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	WARD, JIM	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		1847.33382417367775514127294 98
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		10/10/1990
Preliminary Site Assessment Began:		10/16/1991
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		11/21/1991
Remedial Action Underway:		11/21/1991
Post Remedial Action Monitoring Began:		4/23/1992
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	UNITED PARCEL SERVICE	
RP Address:	SAME AS SITE	
Program:	LUST	
Lat/Long:	33.8755437 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	

UNITED PARCEL SERVICE (Continued) **1000399346**

Assigned Name: Not reported
Summary: 08/13/96 REQUEST FOR CLOSURE 01/24/97
WELL ABANDONMENT REPORT

CA FID UST:
Facility ID: 19003340
Regulated By: UTNKA
Regulated ID: 00041384
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2132172646
Mail To: Not reported
Mailing Address: 17111 S WESTERN AVE
Mailing Address 2: Not reported
Mailing City,St,Zip: GARDENA 90247
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: I-00167

I33 **GARDENA HUB** **CA HIST UST** **U001563070**
NNE **17111 S WESTERN AVE** **N/A**
1/8-1/4 **GARDENA, CA 90247**
0.188 mi.
992 ft. **Site 3 of 4 in cluster I**

Relative:
Higher

Actual:
39 ft.

HIST UST:
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000041384
Facility Type: Other
Other Type: PARCEL DELIVERY
Contact Name: ED NECKAR
Telephone: 2133231644
Owner Name: UNITED PARCEL SERVICE
Owner Address: 1331 VERNON ST
Owner City,St,Zip: ANAHEIM, CA 92805
Total Tanks: 0007

Tank Num: 001
Container Num: 1
Year Installed: 1973
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

GARDENA HUB (Continued) **U001563070**

Tank Num:	002
Container Num:	2
Year Installed:	1973
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	003
Container Num:	3
Year Installed:	1973
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	004
Container Num:	4
Year Installed:	Not reported
Tank Capacity:	00002000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	005
Container Num:	5
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:	006
Container Num:	6
Year Installed:	1973
Tank Capacity:	00000000
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	None

Tank Num:	007
Container Num:	7
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	None

I34
NNE
1/8-1/4
0.188 mi.
992 ft.

UNITED PARCEL SERVICE
17111 S WESTERN AVE
GARDENA, CA 90247

CA UST **U003775798**
CA SWEEPS UST **N/A**
CA LOS ANGELES CO. HMS

Site 4 of 4 in cluster I

Relative:
Higher

Actual:
39 ft.

UST:

Facility ID:	LACoFA0029535
Permitting Agency:	Los Angeles County Fire Department
Latitude:	33.87563
Longitude:	-118.31102

Facility ID:	167
Permitting Agency:	LOS ANGELES, CITY OF
Latitude:	33.877731
Longitude:	-118.310281

SWEEPS UST:

Status:	Active
Comp Number:	167
Number:	1
Board Of Equalization:	44-001858
Referral Date:	06-26-92
Action Date:	06-26-92
Created Date:	06-30-89
Owner Tank Id:	3
SWRCB Tank Id:	19-000-000167-000003
Tank Status:	A
Capacity:	10000
Active Date:	01-17-91
Tank Use:	M.V. FUEL
STG:	P
Content:	DIESEL
Number Of Tanks:	3

Status:	Active
Comp Number:	167
Number:	1
Board Of Equalization:	44-001858
Referral Date:	06-26-92
Action Date:	06-26-92
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-000167-000006
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	167
Number:	1
Board Of Equalization:	44-001858
Referral Date:	06-26-92
Action Date:	06-26-92
Created Date:	06-30-89

UNITED PARCEL SERVICE (Continued) **U003775798**

Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-000167-000007
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

LOS ANGELES CO. HMS:
Region: LA
Permit Category: I
Facility Id: 000166-I00167
Facility Type: 01
Facility Status: Permit
Area: 2B
Permit Number: 000001833
Permit Status: Permit

Region: LA
Permit Category: S
Facility Id: 000166-047509
Facility Type: S6
Facility Status: Closed
Area: 2B
Permit Number: CGI002090
Permit Status: Closed

Region: LA
Permit Category: T
Facility Id: 000166-000167
Facility Type: 0
Facility Status: Permit
Area: 2B
Permit Number: 00001898T
Permit Status: Permit

J35 **HONEYWELL INCORPORATED** **CA LUST** **1000226458**
East **17300 WESTERN AVE S** **CA CPS-SLIC** **N/A**
1/8-1/4 **GARDENA, CA 90247** **CA HIST CORTESE**
0.190 mi. **CA WDS**
1002 ft. **Site 1 of 3 in cluster J**

Relative: **Lower**
Actual: **32 ft.**

LUST:
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701271
Global Id: T0603701271
Latitude: 33.8741438
Longitude: -118.3091294
Status: Completed - Case Closed
Status Date: 05/15/1997
Case Worker: YR
RB Case Number: 902470016
Local Agency: LOS ANGELES COUNTY
File Location: Not reported

HONEYWELL INCORPORATED (Continued) **1000226458**

Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0603701271
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

Global Id: T0603701271
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603701271
Action Type: Other
Date: 11/18/1983
Action: Leak Reported

Global Id: T0603701271
Action Type: Other
Date: 03/01/1984
Action: Leak Discovery

LUST:
Global Id: T0603701271
Status: Completed - Case Closed
Status Date: 05/15/1997

Global Id: T0603701271
Status: Open - Case Begin Date
Status Date: 11/18/1983

Global Id: T0603701271
Status: Open - Remediation
Status Date: 08/19/1992

Global Id: T0603701271
Status: Open - Site Assessment
Status Date: 03/01/1984

Global Id: T0603701271
Status: Open - Site Assessment
Status Date: 11/26/1984

Global Id: T0603701271

HONEYWELL INCORPORATED (Continued) **1000226458**

Status: Open - Site Assessment
Status Date: 06/10/1988

Global Id: T0603701271
Status: Open - Verification Monitoring
Status Date: 12/23/1996

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	902470016	
Status:	Case Closed	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:		Pump and Treat Groundwater
Global ID:	T0603701271	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19000	
Cross Street:	ARTESIA	
Enforcement Type:	Not reported	
Date Leak Discovered:	3/1/1984	
Date Leak First Reported:		11/18/1983
Date Leak Record Entered:	12/31/1986	
Date Confirmation Began:	3/1/1984	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		5/5/1999
Date the Case was Closed:		5/15/1997
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		1649.77984956681421243290244 41
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		11/26/1984
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		6/10/1988
Remediation Plan Submitted:		8/19/1992
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		12/23/1996
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		1/1/1965
Hist Max MTBE Conc in Groundwater:		88
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Yes
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	HONEYWELL INCORPORATED	

HONEYWELL INCORPORATED (Continued) **1000226458**

RP Address: 8801 W. CALLE LEJOS, PEORIA, AZ 85382
Program: LUST
Lat/Long: 33.8738027 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: 03/21/97 1ST QTR GW SAMPLING RPT; 06/09/97 2ND QTR GW SAMPLING RPT; 03/11/98 1ST QTR 98 GW MON AND SAMPLING RPT; 09/25/98 3RD QTR 98 GW MON AND SAMPLING RPT

CPS-SLIC:
Region: STATE
Facility Status: **Open - Remediation**
Status Date: 10/30/2015
Global Id: SLT4L6881853
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 33.873337209427
Longitude: -118.308077253967
Case Type: Cleanup Program Site
Case Worker: SR
Local Agency: Not reported
RB Case Number: 0688
File Location: Regional Board
Potential Media Affected: Aquifer used for drinking water supply, Soil Vapor
Potential Contaminants of Concern: Not reported
Site History: Beginning in 1953, Honeywell operated a manufacturing facility for gas furnace control valves at the Site. These manufacturing operations continued until 1991. The plant was demolished the following year, and the Site was subsequently redeveloped. During the period from June 1984 to July 1989, more than 20 monitoring wells were installed in and around the Site to evaluate groundwater quality and flow. TCE and PCE were the principal chemicals of potential concern identified in groundwater. To address these VOCs,groundwater extraction wells and a groundwater treatment system (GWTS) were constructed in 1990 and began operation the following year. The groundwater beneath the Site occurs at approximately 20 feet below ground surface (bgs). Site redevelopment as a shopping center required the relocation of the system and abandonment of several wells in 1999. In July 2002, in response to direction from the California Regional Water Quality Control Board (RWQCB), three groundwater monitoring wells were installed in the adjacent Lot 6 and were included in the monitoring program. However, two of the Lot 6 groundwater monitoring wells, MW-19 and MW-20, were abandoned during the Fourth Quarter of 2006 because of construction activities at Lot 6 and were replaced with two new monitoring wells, MW-19A and MW-20A. The two new wells are located in Lot 5 in accordance with the plan approved by the RWQCB. Honeywell operates the Site GWTS to discharge the treated Site groundwater under the existing National Pollutant Discharge Elimination System (NPDES) permit (CA0062162), issued by the RWQCB. Groundwater is pumped from the extraction wells into a 1,500-gallon influent tank. From the influent tank, the water is pumped through a sand filter, through a bag filter, and then into two 1,000-pound liquid-phase granular activated carbon (LGAC) vessels

HONEYWELL INCORPORATED (Continued) **1000226458**

(running in series). The VOCs are removed from the water by adsorption onto the LGAC media. After LGAC treatment, the water is pumped into two sets of ion exchange (IX) tanks and granular ferric hydroxide (GFH) tanks (running in parallel). The IX and GFH treatment is required to remove low concentrations of naturally occurring metals from the Site groundwater per the NPDES discharge requirements. The treated groundwater is then pumped into the City of Gardena stormwater system discharge pipe. The connection to the City of Gardena stormwater system is near the southwest corner of the property (the northeast corner of the intersection of Western Boulevard and Artesia Boulevard). In January 2013, Regional Board staff received and completed a review of the "Groundwater Remedial Process Optimization Treatment Review and Work Plan" (Work Plan) prepared by CH2MHILL Inc. on behalf of Honeywell In April 2013, Regional Board staff approved the work plan for the enhanced reductive dechlorination (ERD) biobarrier system for the in-situ treatment/containment of the groundwater plume at the Site. Currently DTSC is the lead agency for purposes of soil and soil remediation oversight above the saturated zone (about 20 feet down), and for purposes of approving the vapor barrier design to be installed at the site. RWQCB is the lead agency for matters related to the groundwater treatment including the Enhanced Reduction Dechlorination wells (ERD Wells), any extraction wells (EWs), and any monitoring wells (collectively Wells).

Click here to access the California GeoTracker records for this facility:

SLIC REG 4:
Region: 4
Facility Status: Site Assessment
SLIC: 0688
Substance: VOCs
Staff: AS

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 902470016

WDS:
Facility ID: Los Angeles River 191263001
Facility Type: Other - Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste (Class I, II or III)
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: CA0062162 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 4
Facility Telephone: 6025661372
Facility Contact: Ron Wabschall
Agency Name: HONEYWELL INC.
Agency Address: Not reported
Agency City,St,Zip: 0
Agency Contact: Not reported
Agency Telephone: Not reported

HONEYWELL INCORPORATED (Continued) **1000226458**

Agency Type:	Private
SIC Code:	3494
SIC Code 2:	Not reported
Primary Waste Type:	Hazardous/Influent or Solid Wastes that contain toxic, corrosive, ignitable or reactive substances and must be managed according to applicable DOHS standards.
Primary Waste:	CNWTRS
Waste Type2:	Not reported
Waste2:	Contaminated Ground Water
Primary Waste Type:	Hazardous/Influent or Solid Wastes that contain toxic, corrosive, ignitable or reactive substances and must be managed according to applicable DOHS standards.
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	No reclamation requirements associated with this facility.
POTW:	The facility is not a POTW.
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category B - Any facility having a physical, chemical, or biological waste treatment system (except for septic systems with subsurface disposal), or any Class II or III disposal site, or facilities without treatment systems that are complex, such as marinas with petroleum products, solid wastes, and sewage pump out facilities.

J36 **HONEYWELL RESIDENTIAL DIVISION** **CA SWEEPS UST** **U001563078**
East **17300 S WESTERN AVE** **CA HIST UST** **N/A**
1/8-1/4 **GARDENA, CA 90247** **CA EMI**
0.190 mi.
1002 ft. **Site 2 of 3 in cluster J**

Relative: **Lower**

Actual: **32 ft.**

SWEEPS UST:

Status:	Active
Comp Number:	4520
Number:	9
Board Of Equalization:	44-007821
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-004520-000001
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	8

Status:	Active
Comp Number:	4520
Number:	9
Board Of Equalization:	44-007821

HONEYWELL RESIDENTIAL DIVISION (Continued) **U001563078**

Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-004520-000002
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 4520
Number: 9
Board Of Equalization: 44-007821
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-004520-000003
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 4520
Number: 9
Board Of Equalization: 44-007821
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-004520-000004
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 4520
Number: 9
Board Of Equalization: 44-007821
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-004520-000005
Tank Status: A

HONEYWELL RESIDENTIAL DIVISION (Continued) **U001563078**

Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 4520
Number: 9
Board Of Equalization: 44-007821
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-004520-000006
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 4520
Number: 9
Board Of Equalization: 44-007821
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-004520-000007
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 4520
Number: 9
Board Of Equalization: 44-007821
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-004520-000008
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

HONEYWELL RESIDENTIAL DIVISION (Continued) **U001563078**

HIST UST:

File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000019029
Facility Type:	Other
Other Type:	MANUFACTURER OF HEAT
Contact Name:	VIRGIL K. MCCORMICK
Telephone:	2135385050
Owner Name:	HONEYWELL INC.
Owner Address:	HONEYWELL PLAZA
Owner City,St,Zip:	MINNEAPOLIS, MN 55408
Total Tanks:	0012
Tank Num:	001
Container Num:	1
Year Installed:	1964
Tank Capacity:	00001000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, 10
Tank Num:	002
Container Num:	2
Year Installed:	1980
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, 10
Tank Num:	003
Container Num:	3
Year Installed:	1977
Tank Capacity:	00025000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Visual, Stock Inventor, 10
Tank Num:	004
Container Num:	4
Year Installed:	1964
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Visual, Stock Inventor
Tank Num:	005
Container Num:	5
Year Installed:	Not reported
Tank Capacity:	00000550
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported

HONEYWELL RESIDENTIAL DIVISION (Continued) **U001563078**

Leak Detection:	Visual, Stock Inventor
Tank Num:	006
Container Num:	6
Year Installed:	Not reported
Tank Capacity:	00000550
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Visual, Stock Inventor
Tank Num:	007
Container Num:	7
Year Installed:	1953
Tank Capacity:	00000550
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Visual, Stock Inventor
Tank Num:	008
Container Num:	8
Year Installed:	1953
Tank Capacity:	00000550
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Visual, Stock Inventor
Tank Num:	009
Container Num:	9
Year Installed:	1980
Tank Capacity:	00010000
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	Visual, Stock Inventor
Tank Num:	010
Container Num:	10
Year Installed:	1959
Tank Capacity:	00005000
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Visual
Tank Num:	011
Container Num:	11
Year Installed:	1974
Tank Capacity:	00001000
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Visual
Tank Num:	012

HONEYWELL RESIDENTIAL DIVISION (Continued) **U001563078**

Container Num:	12
Year Installed:	1954
Tank Capacity:	00000500
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Visual

EMI:

Year:	1987
County Code:	19
Air Basin:	SC
Facility ID:	20536
Air District Name:	SC
SIC Code:	3822
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:	78
Reactive Organic Gases Tons/Yr:	12
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	4
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	20536
Air District Name:	SC
SIC Code:	3822
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:	92
Reactive Organic Gases Tons/Yr:	12
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	2
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

J37 **HONEYWELL INC** **SEMS-ARCHIVE** **1015732765**
East **17300 WESTERN AVE.** **RCRA-SQG** **CAD063847529**
1/8-1/4 **GARDENA, CA 90247** **CA HIST UST**
0.190 mi. **FINDS**
1002 ft. **Site 3 of 3 in cluster J** **ECHO**
CA HAZNET

Relative:
Lower

Actual:
32 ft.

SEMS Archive:

Site ID:	0901506
EPA ID:	CAD063847529
Cong District:	31
FIPS Code:	06037
FF:	N
NPL:	Not on the NPL

HONEYWELL INC (Continued) **1015732765**

Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information
Latitude: 33.891667
Longitude: -118.301667

SEMS Archive Detail:

Region: 09
Site ID: 0901506
EPA ID: CAD063847529
Site Name: HONEYWELL INC
NPL: N
FF: N
OU: 00
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1989-08-07 04:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 09
Site ID: 0901506
EPA ID: CAD063847529
Site Name: HONEYWELL INC
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: Not reported
Finish Date: 1989-08-07 04:00:00
Qual: N
Current Action Lead: EPA Perf

Region: 09
Site ID: 0901506
EPA ID: CAD063847529
Site Name: HONEYWELL INC
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1987-09-01 04:00:00
Finish Date: 1987-09-01 04:00:00
Qual: Not reported
Current Action Lead: St Perf

RCRA-SQG:

Date form received by agency: 09/01/1996
Facility name: HONEYWELL INC.
Facility address: 17300 WESTERN AVE.
GARDENA, CA 90247
EPA ID: CAD063847529

HONEYWELL INC (Continued) **1015732765**

Contact:	Not reported
Contact address:	Not reported
	Not reported
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	09
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	HONEYWELL INC.
Owner/operator address:	17300 WESTERN AVE.
	GARDENA, CA 90247
Owner/operator country:	Not reported
Owner/operator telephone:	213-538-5050
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	HONEYWELL INC.
Owner/operator address:	17300 WESTERN AVE.
	CITY NOT REPORTED, CA 99999
Owner/operator country:	Not reported
Owner/operator telephone:	213-538-5050
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No

HONEYWELL INC (Continued) **1015732765**

Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 04/06/1990
Site name: HONEYWELL INC.
Classification: Large Quantity Generator

Date form received by agency: 11/26/1980
Site name: HONEYWELL INC.
Classification: Large Quantity Generator

Facility Has Received Notices of Violations:
Regulation violated: F - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 05/07/1986
Date achieved compliance: 05/08/1987
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 10/02/1985
Date achieved compliance: 02/07/1986
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/02/1985
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 02/19/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/16/1988
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/07/1986
Evaluation: NON-FINANCIAL RECORD REVIEW

HONEYWELL INC (Continued) **1015732765**

Area of violation: Generators - General
Date achieved compliance: 05/08/1987
Evaluation lead agency: State

Evaluation date: 10/02/1985
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/02/1985
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 02/07/1986
Evaluation lead agency: State

HIST UST:
File Number: 00026E5D
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00026E5D.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:

FINDS:

Registry ID: 110064126976

Environmental Interest/Information System

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HONEYWELL INC (Continued) **1015732765**

STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1015732765
Registry ID:	110064126976
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110064126976

HAZNET:

Facility Name:	HONEYWELL INC
envid:	1015732765
Year:	2001
GEPAID:	CAD063847529
Contact:	UNDELIVERABLE PER 93 FEE FORM
Telephone:	2135385050
Mailing Name:	Not reported
Mailing Address:	17300 S WESTERN AVE
Mailing City,St,Zip:	GARDENA, CA 902470000
Gen County:	Not reported
TSD EPA ID:	CAT000546117
TSD County:	Not reported
Waste Category:	Contaminated soil from site clean-up
Disposal Method:	Disposal, Land Fill
Tons:	4.21
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	1015732765
Year:	2001
GEPAID:	CAD063847529
Contact:	UNDELIVERABLE PER 93 FEE FORM
Telephone:	2135385050
Mailing Name:	Not reported
Mailing Address:	17300 S WESTERN AVE
Mailing City,St,Zip:	GARDENA, CA 902470000
Gen County:	Not reported
TSD EPA ID:	CAT000646117
TSD County:	Not reported
Waste Category:	Contaminated soil from site clean-up
Disposal Method:	Disposal, Land Fill
Tons:	5.75
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	1015732765
Year:	2000
GEPAID:	CAD063847529
Contact:	UNDELIVERABLE PER 93 FEE FORM
Telephone:	2135385050
Mailing Name:	Not reported
Mailing Address:	17300 S WESTERN AVE

HONEYWELL INC (Continued) **1015732765**

Mailing City,St,Zip:	GARDENA, CA 902470000
Gen County:	Not reported
TSD EPA ID:	CAT080033681
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Treatment, Tank
Tons:	5.42
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

G38 **GARDENA-174TH & WESTERN** **CA WMUDS/SWAT** **S103441448**
East **174TH & WESTERN** **N/A**
1/8-1/4 **GARDENA, CA**
0.193 mi.
1020 ft. **Site 4 of 8 in cluster G**

Relative: **Lower**
Actual: **29 ft.**

WMUDS/SWAT:

Edit Date:	Not reported
Complexity:	Not reported
Primary Waste:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Base Meridian:	Not reported
NPID:	Not reported
Tonnage:	0
Regional Board ID:	Not reported
Municipal Solid Waste:	False
Superorder:	False
Open To Public:	False
Waste List:	False
Agency Type:	Not reported
Agency Name:	Not reported
Agency Department:	Not reported
Agency Address:	Not reported
Agency City,St,Zip:	Not reported
Agency Contact:	Not reported
Agency Telephone:	Not reported
Land Owner Name:	Not reported
Land Owner Address:	Not reported
Land Owner City,St,Zip:	CA
Land Owner Contact:	Not reported
Land Owner Phone:	Not reported
Region:	4
Facility Type:	Not reported
Facility Description:	Not reported
Facility Telephone:	Not reported
SWAT Facility Name:	Not reported
Primary SIC:	Not reported
Secondary SIC:	Not reported
Comments:	Not reported
Last Facility Editors:	Not reported
Waste Discharge System:	False
Solid Waste Assessment Test Program:	True
Toxic Pits Cleanup Act Program:	False
Resource Conservation Recovery Act:	False
Department of Defence:	False

GARDENA-174TH & WESTERN (Continued) **S103441448**

Solid Waste Assessment Test Program:	Not reported
Threat to Water Quality:	Not reported
Sub Chapter 15:	False
Regional Board Project Officer:	LT
Number of WMUDS at Facility:	1
Section Range:	Not reported
RCRA Facility:	Not reported
Waste Discharge Requirements:	Not reported
Self-Monitoring Rept. Frequency:	Not reported
Waste Discharge System ID:	4 190196NUR
Solid Waste Information ID:	Not reported

G39 **CHEVRON STATION 92445** **RCRA-SQG** **1005441299**
ESE **17400 SOUTH WESTERN AVE** **FINDS** **CAR000117630**
1/8-1/4 **GARDENA, CA 90248** **ECHO**
0.199 mi. **CA HAZNET**
1053 ft. **Site 5 of 8 in cluster G**

Relative:
Lower

Actual:
29 ft.

RCRA-SQG:

Date form received by agency:	05/16/2002
Facility name:	CHEVRON STATION 92445
Facility address:	17400 SOUTH WESTERN AVE GARDENA, CA 90248-3222
EPA ID:	CAR000117630
Mailing address:	P O BOX 6004 SAN RAMON, CA 94583
Contact:	KATHY NORRIS
Contact address:	P O BOX 6004 SAN RAMON, CA 94583
Contact country:	US
Contact telephone:	925-842-5931
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	CHEVRON PRODUCTS COMPANY
Owner/operator address:	P O BOX 6004 SAN RAMON, CA 94583
Owner/operator country:	Not reported
Owner/operator telephone:	925-842-5931
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No

CHEVRON STATION 92445 (Continued) **1005441299**

Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D018
. Waste name: BENZENE

Violation Status: No violations found

FINDS:

Registry ID: 110012545200

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1005441299
Registry ID:	110012545200
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110012545200

CHEVRON STATION 92445 (Continued) **1005441299**

HAZNET:

Facility Name:	CHEVRON STATION 92445
envid:	1005441299
Year:	2003
GEPAID:	CAR000117630
Contact:	Kathy Norris
Telephone:	9258425931
Mailing Name:	Not reported
Mailing Address:	PO BOX 6004
Mailing City,St,Zip:	San Ramon, CA 94583
Gen County:	Not reported
TSD EPA ID:	CAD008302903
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Recycler
Tons:	0.11
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

G40 **CHEVRON USA SS 092445** **CA UST** **U003776885**
ESE **17400 S WESTERN AVE** **N/A**
1/8-1/4 **GARDENA, CA 90248**
0.199 mi.
1053 ft. **Site 6 of 8 in cluster G**

Relative:
Lower

Actual:
29 ft.

UST:

Facility ID:	11704
Permitting Agency:	LOS ANGELES, CITY OF
Latitude:	33.8736886
Longitude:	-118.3072825
Facility ID:	LACoFA0029533
Permitting Agency:	Los Angeles County Fire Department
Latitude:	Not reported
Longitude:	Not reported

G41 **A & A CHEVRON #92445** **CA SWEEPS UST** **U001563032**
ESE **17400 S WESTERN AVE** **CA HIST UST** **N/A**
1/8-1/4 **GARDENA, CA 90248** **CA LOS ANGELES CO. HMS**
0.199 mi.
1053 ft. **Site 7 of 8 in cluster G**

Relative:
Lower

Actual:
29 ft.

SWEEPS UST:

Status:	Active
Comp Number:	11704
Number:	9
Board Of Equalization:	44-009443
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-011704-000001
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89

A & A CHEVRON #92445 (Continued) **U001563032**

Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 9

Status: Active
Comp Number: 11704
Number: 9
Board Of Equalization: 44-009443
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-011704-000002
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 11704
Number: 9
Board Of Equalization: 44-009443
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-011704-000003
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 11704
Number: 9
Board Of Equalization: 44-009443
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-011704-000004
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active

A & A CHEVRON #92445 (Continued) **U001563032**

Comp Number: 11704
Number: 9
Board Of Equalization: 44-009443
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-011704-000005
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 11704
Number: 9
Board Of Equalization: 44-009443
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-011704-000006
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 11704
Number: 9
Board Of Equalization: 44-009443
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-011704-000007
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 11704
Number: 9
Board Of Equalization: 44-009443
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89

A & A CHEVRON #92445 (Continued) **U001563032**

Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-011704-000008
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 11704
Number: 9
Board Of Equalization: 44-009443
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-011704-000009
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

HIST UST:
File Number: 00026CD4
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00026CD4.pdf
Region: STATE
Facility ID: 00000062261
Facility Type: Gas Station
Other Type: Not reported
Contact Name: MAZZOCCO,NATALINO
Telephone: 2135320070
Owner Name: CHEVRON U.S.A. INC.
Owner Address: 575 MARKET
Owner City,St,Zip: SAN FRANCISCO, CA 94105
Total Tanks: 0005

Tank Num: 001
Container Num: 1
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: 002
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 0000370

A & A CHEVRON #92445 (Continued) **U001563032**

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

Tank Num: 005
Container Num: 5
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 0000370
Leak Detection: Stock Inventor

Click here for Geo Tracker PDF:

LOS ANGELES CO. HMS:
Region: LA
Permit Category: T
Facility Id: 008460-045887
Facility Type: 0
Facility Status: Permit
Area: 2B
Permit Number: 000460275
Permit Status: Permit

Region: LA
Permit Category: I
Facility Id: 008460-043271
Facility Type: 01
Facility Status: Permit
Area: 2B
Permit Number: 000431506
Permit Status: Closed

Region: LA
Permit Category: I
Facility Id: 008460-043271
Facility Type: 01
Facility Status: Permit
Area: 2B
Permit Number: 000549103

A & A CHEVRON #92445 (Continued) **U001563032**

Permit Status: Permit

G42 **CHEVRON #9-2445** **CA LUST** **S100932512**
ESE **17400 WESTERN AVE S** **CA EMI** **N/A**
1/8-1/4 **GARDENA, CA 90248** **CA HIST CORTESE**
0.199 mi.
1053 ft. **Site 8 of 8 in cluster G**

Relative:
Lower

Actual:
29 ft.

LUST:

Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603703836
Global Id:	T0603703836
Latitude:	33.8727367
Longitude:	-118.3089815
Status:	Completed - Case Closed
Status Date:	07/13/2010
Case Worker:	JW
RB Case Number:	I-11704
Local Agency:	LOS ANGELES COUNTY
File Location:	Regional Board
Local Case Number:	Not reported
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0603703836
Contact Type:	Regional Board Caseworker
Contact Name:	JIMMIE WOO
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 WEST 4TH STREET, SUITE 200
City:	LOS ANGELES
Email:	jwoo@waterboards.ca.gov
Phone Number:	2135766600

Global Id:	T0603703836
Contact Type:	Local Agency Caseworker
Contact Name:	JOHN AWUJO
Organization Name:	LOS ANGELES COUNTY
Address:	900 S FREMONT AVE
City:	ALHAMBRA
Email:	jawujo@dpw.lacounty.gov
Phone Number:	6264583507

LUST:

Global Id:	T0603703836
Action Type:	Other
Date:	03/06/1989
Action:	Leak Reported

Global Id:	T0603703836
Action Type:	RESPONSE
Date:	10/15/2005
Action:	Monitoring Report - Quarterly

Global Id:	T0603703836
Action Type:	RESPONSE

CHEVRON #9-2445 (Continued) **S100932512**

Date: 04/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603703836
Action Type: RESPONSE
Date: 07/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603703836
Action Type: RESPONSE
Date: 04/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603703836
Action Type: RESPONSE
Date: 01/15/2006
Action: Soil and Water Investigation Report

Global Id: T0603703836
Action Type: RESPONSE
Date: 01/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603703836
Action Type: RESPONSE
Date: 10/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603703836
Action Type: RESPONSE
Date: 01/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603703836
Action Type: RESPONSE
Date: 10/15/2006
Action: Soil and Water Investigation Report

Global Id: T0603703836
Action Type: ENFORCEMENT
Date: 07/13/2010
Action: Closure/No Further Action Letter

Global Id: T0603703836
Action Type: ENFORCEMENT
Date: 04/03/2009
Action: Site Visit / Inspection / Sampling

Global Id: T0603703836
Action Type: RESPONSE
Date: 12/15/2008
Action: Corrective Action Plan / Remedial Action Plan

Global Id: T0603703836
Action Type: RESPONSE
Date: 10/15/2007
Action: Monitoring Report - Quarterly

CHEVRON #9-2445 (Continued) **S100932512**

Global Id: T0603703836
Action Type: RESPONSE
Date: 10/15/2006
Action: Sensitive Receptor Survey Report

Global Id: T0603703836
Action Type: RESPONSE
Date: 01/15/2008
Action: Conceptual Site Model

Global Id: T0603703836
Action Type: RESPONSE
Date: 07/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603703836
Action Type: RESPONSE
Date: 09/19/2007
Action: Sensitive Receptor Survey Report

Global Id: T0603703836
Action Type: RESPONSE
Date: 04/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603703836
Action Type: ENFORCEMENT
Date: 06/23/2009
Action: Site Visit / Inspection / Sampling

Global Id: T0603703836
Action Type: ENFORCEMENT
Date: 06/15/2009
Action: Staff Letter

Global Id: T0603703836
Action Type: RESPONSE
Date: 01/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0603703836
Action Type: RESPONSE
Date: 07/15/2008
Action: Preliminary Site Assessment Report

Global Id: T0603703836
Action Type: RESPONSE
Date: 07/15/2009
Action: Monitoring Report - Semi-Annually

Global Id: T0603703836
Action Type: RESPONSE
Date: 10/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603703836
Action Type: RESPONSE

CHEVRON #9-2445 (Continued) **S100932512**

Date: 04/15/2009
Action: Conceptual Site Model

Global Id: T0603703836
Action Type: RESPONSE
Date: 01/08/2009
Action: Sensitive Receptor Survey Report

Global Id: T0603703836
Action Type: RESPONSE
Date: 04/15/2008
Action: Conceptual Site Model

Global Id: T0603703836
Action Type: RESPONSE
Date: 01/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603703836
Action Type: RESPONSE
Date: 01/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603703836
Action Type: RESPONSE
Date: 07/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603703836
Action Type: ENFORCEMENT
Date: 01/28/2002
Action: 13267 Requirement

Global Id: T0603703836
Action Type: ENFORCEMENT
Date: 06/09/2010
Action: Staff Letter

Global Id: T0603703836
Action Type: ENFORCEMENT
Date: 06/09/2010
Action: Notification - Preclosure

Global Id: T0603703836
Action Type: RESPONSE
Date: 02/05/2009
Action: Conceptual Site Model

Global Id: T0603703836
Action Type: RESPONSE
Date: 07/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603703836
Action Type: RESPONSE
Date: 07/15/2008
Action: Conceptual Site Model

CHEVRON #9-2445 (Continued) **S100932512**

Global Id: T0603703836
Action Type: RESPONSE
Date: 07/15/2007
Action: Soil and Water Investigation Report

Global Id: T0603703836
Action Type: RESPONSE
Date: 04/15/2007
Action: Soil and Water Investigation Report

Global Id: T0603703836
Action Type: RESPONSE
Date: 04/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603703836
Action Type: RESPONSE
Date: 01/15/2010
Action: Sensitive Receptor Survey Report

Global Id: T0603703836
Action Type: ENFORCEMENT
Date: 03/08/2005
Action: Staff Letter

Global Id: T0603703836
Action Type: RESPONSE
Date: 04/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0603703836
Action Type: RESPONSE
Date: 10/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0603703836
Action Type: RESPONSE
Date: 10/15/2009
Action: Conceptual Site Model

Global Id: T0603703836
Action Type: RESPONSE
Date: 07/15/2009
Action: Conceptual Site Model

Global Id: T0603703836
Action Type: RESPONSE
Date: 04/15/2010
Action: Remedial Progress Report

Global Id: T0603703836
Action Type: RESPONSE
Date: 07/15/2010
Action: Conceptual Site Model

Global Id: T0603703836
Action Type: RESPONSE

CHEVRON #9-2445 (Continued) **S100932512**

Date: 04/15/2010
Action: Monitoring Report - Quarterly

Global Id: T0603703836
Action Type: RESPONSE
Date: 11/23/2009
Action: Other Report / Document

Global Id: T0603703836
Action Type: Other
Date: 12/08/1982
Action: Leak Discovery

Global Id: T0603703836
Action Type: RESPONSE
Date: 01/15/2003
Action: Soil and Water Investigation Report

Global Id: T0603703836
Action Type: RESPONSE
Date: 10/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603703836
Action Type: RESPONSE
Date: 04/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603703836
Action Type: RESPONSE
Date: 01/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603703836
Action Type: RESPONSE
Date: 01/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603703836
Action Type: RESPONSE
Date: 07/15/2003
Action: Soil and Water Investigation Report

Global Id: T0603703836
Action Type: ENFORCEMENT
Date: 05/23/2006
Action: Site Visit / Inspection / Sampling

Global Id: T0603703836
Action Type: RESPONSE
Date: 07/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603703836
Action Type: RESPONSE
Date: 04/15/2003
Action: Soil and Water Investigation Report

CHEVRON #9-2445 (Continued) **S100932512**

Global Id: T0603703836
Action Type: RESPONSE
Date: 10/15/2003
Action: Soil and Water Investigation Report

Global Id: T0603703836
Action Type: RESPONSE
Date: 04/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603703836
Action Type: RESPONSE
Date: 01/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603703836
Action Type: RESPONSE
Date: 07/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603703836
Action Type: RESPONSE
Date: 10/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603703836
Action Type: RESPONSE
Date: 04/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603703836
Action Type: RESPONSE
Date: 04/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603703836
Action Type: RESPONSE
Date: 04/15/2005
Action: Soil and Water Investigation Workplan

Global Id: T0603703836
Action Type: RESPONSE
Date: 01/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603703836
Action Type: RESPONSE
Date: 10/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603703836
Action Type: RESPONSE
Date: 07/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603703836
Action Type: RESPONSE

CHEVRON #9-2445 (Continued) **S100932512**

Date: 10/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603703836
Action Type: RESPONSE
Date: 07/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603703836
Action Type: RESPONSE
Date: 07/15/2005
Action: Soil and Water Investigation Report

LUST:
Global Id: T0603703836
Status: Completed - Case Closed
Status Date: 07/13/2010

Global Id: T0603703836
Status: Open - Case Begin Date
Status Date: 12/08/1982

Global Id: T0603703836
Status: Open - Remediation
Status Date: 01/28/2002

Global Id: T0603703836
Status: Open - Site Assessment
Status Date: 01/28/2002

Global Id: T0603703836
Status: Open - Site Assessment
Status Date: 04/19/2005

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: I-11704
Status: Remediation Plan
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: VE
Global ID: T0603703836
W Global ID: Not reported
Staff: JW
Local Agency: 19000
Cross Street: Not reported
Enforcement Type: DLLET
Date Leak Discovered: 12/8/1982
Date Leak First Reported: 3/6/1989
Date Leak Record Entered: Not reported
Date Confirmation Began: Not reported

CHEVRON #9-2445 (Continued) **S100932512**

Date Leak Stopped:	Not reported
Date Case Last Changed on Database:	10/15/2002
Date the Case was Closed:	Not reported
How Leak Discovered:	Tank Test
How Leak Stopped:	Not reported
Cause of Leak:	Structure Failure
Leak Source:	Tank
Operator:	Not reported
Water System:	Not reported
Well Name:	Not reported
Approx. Dist To Production Well (ft):	1694.58508827739121778555910 11
Source of Cleanup Funding:	Tank
Preliminary Site Assessment Workplan Submitted:	Not reported
Preliminary Site Assessment Began:	Not reported
Pollution Characterization Began:	1/28/2002
Remediation Plan Submitted:	1/28/2002
Remedial Action Underway:	Not reported
Post Remedial Action Monitoring Began:	Not reported
Enforcement Action Date:	Not reported
Historical Max MTBE Date:	12/3/1996
Hist Max MTBE Conc in Groundwater:	4400
Hist Max MTBE Conc in Soil:	Not reported
Significant Interim Remedial Action Taken:	Not reported
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
Organization:	Not reported
Owner Contact:	Not reported
Responsible Party:	MR. Y. TUAN
RP Address:	145 S. STATE COLLEGE BLVD. #400
Program:	LUST
Lat/Long:	33.8727367 / -1
Local Agency Staff:	Not reported
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	LEAK REPORTED IN 1982. HC CONTAMINATION AT 25'. G/W IMPACTED. NO FOLLOW UP REPORT.;6/30/00 2ND QTR GW MON RPT 2000; 8/18/00 3RD QTR GW MON RPT 2000; 11/20/00 4TH MON RPT 2000; 2/26/01 1ST QTR GW MON RPT 2000

EMI:

Year:	1987
County Code:	19
Air Basin:	SC
Facility ID:	53170
Air District Name:	SC
SIC Code:	9999
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:	0
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

CHEVRON #9-2445 (Continued) **S100932512**

Particulate Matter Tons/Yr: 2
Part. Matter 10 Micrometers and Smllr Tons/Yr: 2

Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 53170
Air District Name: SC
SIC Code: 3471
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: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 1
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 3
Part. Matter 10 Micrometers and Smllr Tons/Yr: 2

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: I-11704

H43 **AUTOMOTIVE WELDING INC** **CA SWEEPS UST** **S102063554**
NNW **17008 S GRAMERCY PL** **CA HIST UST** **N/A**
1/8-1/4 **GARDENA, CA 90249** **CA LOS ANGELES CO. HMS**
0.203 mi.
1074 ft. **Site 3 of 4 in cluster H**

Relative: **Lower**

Actual: **34 ft.**

SWEEPS UST:
Status: Active
Comp Number: 14066
Number: 9
Board Of Equalization: Not reported
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

HIST UST:
File Number: 00026B65
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00026B65.pdf
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported

AUTOMOTIVE WELDING INC (Continued) **S102063554**

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:

LOS ANGELES CO. HMS:

Region:	LA
Permit Category:	Not reported
Facility Id:	013659-014066
Facility Type:	Not reported
Facility Status:	Removed
Area:	2B
Permit Number:	Not reported
Permit Status:	Not reported

H44 **AUTOMATIC WELDING INC** **CA HIST UST** **U001563043**
NNW **17008 GRAMERCY PL** **N/A**
1/8-1/4 **GARDENA, CA 90247**
0.203 mi.
1074 ft. **Site 4 of 4 in cluster H**

Relative: **Lower**

Actual: **34 ft.**

HIST UST:

File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000004948
Facility Type:	Other
Other Type:	WELDING
Contact Name:	GERALD D CRAWFORD
Telephone:	2135323103
Owner Name:	GERALD D CRAWFORD
Owner Address:	17008 SO GRAMERCY PL.
Owner City,St,Zip:	GARDENA, CA 90247
Total Tanks:	0001
Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Visual

K45 **ADAMS W BOLTON TRUSTEE AND G** **CA SWEEPS UST** **U001563036**
NE **17171 S WESTERN AVE** **CA HIST UST** **N/A**
1/8-1/4 **GARDENA, CA 90247** **CA EMI**
0.209 mi.
1102 ft. **Site 1 of 2 in cluster K**

Relative:
Lower

Actual:
37 ft.

SWEEPS UST:

Status:	Active
Comp Number:	12922
Number:	9
Board Of Equalization:	Not reported
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

HIST UST:

File Number:	000261A5
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000261A5.pdf
Region:	STATE
Facility ID:	00000005280
Facility Type:	Other
Other Type:	?
Contact Name:	TRUSTEE
Telephone:	2135470622
Owner Name:	ADAMS W. BOLTON, TRUSTEE, AND
Owner Address:	5464 MIDDLECREST ROAD
Owner City,St,Zip:	RANCHO PALOS VERDES, CA 90274
Total Tanks:	0001
Tank Num:	001
Container Num:	1
Year Installed:	1972
Tank Capacity:	00009970
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	1/4"
Leak Detection:	None

Click here for Geo Tracker PDF:

EMI:

Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	59525
Air District Name:	SC
SIC Code:	7532
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported

ADAMS W BOLTON TRUSTEE AND G (Continued) **U001563036**

Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5
Reactive Organic Gases Tons/Yr:	5
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

Year:	1995
County Code:	19
Air Basin:	SC
Facility ID:	59525
Air District Name:	SC
SIC Code:	7532
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:	4
Reactive Organic Gases Tons/Yr:	4
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

K46 **HERTZ CORP** **RCRA NonGen / NLR** **1000175226**
NE **17171 S WESTERN AVE** **FINDS** **CAD981438914**
1/8-1/4 **GARDENA, CA 90247** **ECHO**
0.209 mi.
1102 ft. **Site 2 of 2 in cluster K**

Relative: **Lower**
Actual: **37 ft.**

RCRA NonGen / NLR:

Date form received by agency:	02/24/1995
Facility name:	HERTZ CORP
Facility address:	17171 S WESTERN AVE GARDENA, CA 90247
EPA ID:	CAD981438914
Contact:	SUSAN PINERA
Contact address:	225 BRAE BLVD PARK RIDGE, NJ 07656
Contact country:	US
Contact telephone:	201-307-2547
Contact email:	Not reported
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	HERTZ CORP
Owner/operator address:	225 BRAE BLVD PARK RIDGE, NJ 07656
Owner/operator country:	Not reported
Owner/operator telephone:	201-307-2547
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported

HERTZ CORP (Continued) **1000175226**

Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002705261

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000175226
Registry ID: 110002705261
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002705261

L47
East
1/8-1/4
0.211 mi.
1112 ft.

HONEYWELL PROPERTY/1733 EAST ARTESIA BLVD.
1733 EAST ARTESIA BOULEVARD
GARDENA, CA 90247

Site 1 of 3 in cluster L

US BROWNFIELDS FINDS | **1023619967** | **N/A**

Relative:
Lower

Actual:
32 ft.

US BROWNFIELDS:

Property Name:	HONEYWELL PROPERTY/1733 EAST ARTESIA BLVD.
Recipient Name:	Gardena, City of
Grant Type:	Assessment
Property Number:	Not reported
Parcel size:	Not reported
Latitude:	33.873085
Longitude:	-118.307671
HCM Label:	Not reported
Map Scale:	Not reported
Point of Reference:	Not reported
Highlights:	Not reported
Datum:	Not reported
Acres Property ID:	14375
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	Not reported
Assessment Funding Source:	Not reported
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	03/31/2005 00:00:00
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Not reported
Accomplishment Count:	0
Cooperative Agreement Number:	98976301
Start Date:	Not reported
Ownership Entity:	Not reported
Completion Date:	Not reported
Current Owner:	Not reported
Did Owner Change:	Not reported
Cleanup Required:	Y
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	U
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported

HONEYWELL PROPERTY/1733 EAST ARTESIA BLVD. (Continued) **1023619967**

Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Y
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported

HONEYWELL PROPERTY/1733 EAST ARTESIA BLVD. (Continued) **1023619967**

Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Not reported
Below Poverty Number:	665
Below Poverty Percent:	11.3%
Meidan Income:	6841
Meidan Income Number:	1772
Meidan Income Percent:	30.0%
Vacant Housing Number:	131
Vacant Housing Percent:	5.3%
Unemployed Number:	280
Unemployed Percent:	4.7%

FINDS:

Registry ID: 110061034562

Environmental Interest/Information System
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

L48 **HONEYWELL INTERNATIONAL INC** **RCRA-SQG** **1019327193**
East **1733 W ARTESIA BLVD** **CAR000263988**
1/8-1/4 **GARDENA, CA 90248**
0.211 mi.
1112 ft. **Site 2 of 3 in cluster L**

Relative: **Lower**

Actual: **32 ft.**

RCRA-SQG:

Date form received by agency:	06/13/2016
Facility name:	HONEYWELL INTERNATIONAL INC
Facility address:	1733 W ARTESIA BLVD GARDENA, CA 90248
EPA ID:	CAR000263988
Mailing address:	W 190TH ST MS 23-21-80 TORRANCE, CA 90504
Contact:	BENNY DEHGHI
Contact address:	W 190TH ST MS 23-21-80

HONEYWELL INTERNATIONAL INC (Continued) **1019327193**

TORRANCE, CA 90504
Contact country: US
Contact telephone: 310-512-2296
Contact email: BENNY.DEHGHI@HONEYWELL.COM
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: WH GARDEN MARKETPLACE LLC
Owner/operator address: COPLEY DR STE 320
DIAMOND BAR, CA 91765
Owner/operator country: US
Owner/operator telephone: 909-594-3388
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 08/22/2013
Owner/Op end date: Not reported

Owner/operator name: HONEYWELL INTERNATIONAL INC
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 12/01/1999
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

HONEYWELL INTERNATIONAL INC (Continued) **1019327193**

. Waste code: 134
. Waste name: Aqueous solution with <10% total organic residues

. Waste code: D029
. Waste name: 1,1-DICHLOROETHYLENE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: D040
. Waste name: TRICHLOROETHYLENE

. Waste code: D043
. Waste name: VINYL CHLORIDE

Violation Status: No violations found

M49 **JA. USHIJIMA TRUCKING CO INC** **CA HIST UST** **U001563081**
NNW **17000 GRAMERCY PL** **N/A**
1/8-1/4 **GARDENA, CA 90247**
0.226 mi.
1193 ft. **Site 1 of 2 in cluster M**

Relative: **Lower**
Actual: **30 ft.**

HIST UST:
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000003714
Facility Type: Other
Other Type: TRUCKING CO
Contact Name: J.A. USHIJIMA (OWNER)
Telephone: 2133297541
Owner Name: J.A. USHIJIMA TRUCKING CO INC
Owner Address: 17000 S. GRAMERCY PL
Owner City,St,Zip: GARDENA, CA 90247
Total Tanks: 0002

Tank Num: 001
Container Num: 1
Year Installed: 1976
Tank Capacity: 00004000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 002
Container Num: 1
Year Installed: 1976
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: None

M50 **JA USHIJIMA TRUCKING CO INC** **CA LUST** **S101296200**
NNW **17000 S GRAMERCY PL** **CA HIST UST** **N/A**
1/8-1/4 **GARDENA, CA 90247** **CA HIST CORTESE**
0.226 mi. **CA LOS ANGELES CO. HMS**
1193 ft. **Site 2 of 2 in cluster M**

Relative:
Lower

Actual:
30 ft.

LUST:

Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603704199
Global Id:	T0603704199
Latitude:	33.876277
Longitude:	-118.313075
Status:	Completed - Case Closed
Status Date:	02/20/1996
Case Worker:	YR
RB Case Number:	I-14716
Local Agency:	LOS ANGELES COUNTY
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0603704199
Contact Type:	Local Agency Caseworker
Contact Name:	JOHN AWUJO
Organization Name:	LOS ANGELES COUNTY
Address:	900 S FREMONT AVE
City:	ALHAMBRA
Email:	jawujo@dpw.lacounty.gov
Phone Number:	6264583507

Global Id:	T0603704199
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0603704199
Action Type:	Other
Date:	03/26/1990
Action:	Leak Reported

Global Id:	T0603704199
Action Type:	Other
Date:	02/21/1990
Action:	Leak Discovery

Global Id:	T0603704199
Action Type:	Other
Date:	02/21/1990
Action:	Leak Stopped

JA USHIJIMA TRUCKING CO INC (Continued) **S101296200**

LUST:

Global Id:	T0603704199
Status:	Completed - Case Closed
Status Date:	02/20/1996
Global Id:	T0603704199
Status:	Open - Case Begin Date
Status Date:	02/21/1990
Global Id:	T0603704199
Status:	Open - Site Assessment
Status Date:	03/26/1990

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	I-14716	
Status:	Case Closed	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603704199	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19000	
Cross Street:	DOMINQUEZ CHANNEL	
Enforcement Type:	Not reported	
Date Leak Discovered:	2/21/1990	
Date Leak First Reported:		3/26/1990
Date Leak Record Entered:	4/3/1990	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	2/21/1990	
Date Case Last Changed on Database:		2/20/1996
Date the Case was Closed:		2/20/1996
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	USHIJIMA, JIM	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		2577.889724831118236692312088
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		3/26/1990
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported

JA USHIJIMA TRUCKING CO INC (Continued) **S101296200**

Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: USHIJIMA TRUCKING
RP Address: 17000 GRANERCY PLACE, S., GARDENA, 90247
Program: LUST
Lat/Long: 33.8768826 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

HIST UST:
File Number: 00027056
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00027056.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:

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: I-14716

LOS ANGELES CO. HMS:
Region: LA
Permit Category: Not reported
Facility Id: 014190-014716
Facility Type: Not reported
Facility Status: Removed
Area: 2B

JA USHIJIMA TRUCKING CO INC (Continued) **S101296200**

Permit Number: Not reported
Permit Status: Not reported

L51 **ALBERTSONS 6108** **RCRA-CESQG** **1019322562**
East **1735 ARTESIA BLVD** **CAL000384150**
1/8-1/4 **GARDENA, CA 90248**
0.231 mi.
1221 ft. **Site 3 of 3 in cluster L**

Relative:
Lower

Actual:
32 ft.

RCRA-CESQG:

Date form received by agency:	02/26/2016
Facility name:	ALBERTSONS 6108
Facility address:	1735 ARTESIA BLVD GARDENA, CA 90248
EPA ID:	CAL000384150
Mailing address:	P.O. BOX 20, DEPT 81014 BOISE, ID 83726
Contact:	ERICA FRANSEN
Contact address:	P.O. BOX 20, DEPT 81014 BOISE, ID 83726
Contact country:	US
Contact telephone:	208-395-4793
Contact email:	ERICA.FRANSEN@ALBERTSONS.COM
EPA Region:	09
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name:	ALBERTSONS, LLC
Owner/operator address:	P.O. BOX 20, DEPT 81014 BOISE, ID 83726
Owner/operator country:	US
Owner/operator telephone:	208-395-4793
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	03/21/2013
Owner/Op end date:	Not reported
Owner/operator name:	ALBERTSONS-SAVON 6108
Owner/operator address:	Not reported Not reported

ALBERTSONS 6108 (Continued) **1019322562**

Owner/operator country: Not reported
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 08/29/1972
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: 122
. Waste name: Alkaline solution without metals (pH > 12.5)

. Waste code: 131
. Waste name: Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions)

. Waste code: 141
. Waste name: Off-specification, aged, or surplus inorganics

. Waste code: 214
. Waste name: Unspecified solvent mixture

. Waste code: 311
. Waste name: Pharmaceutical waste

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002

ALBERTSONS 6108 (Continued) **1019322562**

. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D024
. Waste name: M-CRESOL

. Waste code: P001
. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

. Waste code: P075
. Waste name: NICOTINE, & SALTS

Biennial Reports:

Last Biennial Reporting Year: 2017

Annual Waste Handled:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 152

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs): 165

Waste code: D007
Waste name: CHROMIUM
Amount (Lbs): 5

Waste code: D009
Waste name: MERCURY

ALBERTSONS 6108 (Continued) **1019322562**

Amount (Lbs): 2

Waste code: D010
Waste name: SELENIUM
Amount (Lbs): 5

Waste code: D024
Waste name: M-CRESOL
Amount (Lbs): 2

Waste code: P001
Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%
Amount (Lbs): 9

Waste code: P075
Waste name: NICOTINE, & SALTS
Amount (Lbs): 9

Violation Status: No violations found

52
SSE
1/8-1/4
0.231 mi.
1222 ft.

H.M. GUENSER **CA SWF/LF** **S109821526**
GRAMMERCY PLACE, BET 178TH AND 180TH **N/A**
TORRANCE, CA

Relative:
Lower

Actual:
34 ft.

SWF/LF (SWIS):
Facility ID: 19-AA-5095
Lat/Long: 33.87 / -118.31083
Owner Name: Not reported
Owner Telephone: Not reported
Owner Address: Not reported
Owner Address2: Not reported
Owner City,St,Zip: Not reported
Operational Status: Not reported
Operator: H.M Guenser
Operator Phone: Not reported
Operator Address: Not reported
Operator Address2: Not reported
Operator City,St,Zip: Not reported
Permit Date: Not reported
Permit Status: Not reported
Permitted Acreage: Not reported
Activity: Not reported
Regulation Status: Not reported
Landuse Name: Residential,Park
GIS Source: Map
Category: Not reported
Unit Number: Not reported
Inspection Frequency: Not reported
Accepted Waste: Not reported
Closure Date: Not reported
Closure Type: Not reported
Disposal Acreage: Not reported
SWIS Num: 19-AA-5095
Waste Discharge Requirement Num: Not reported
Program Type: Not reported

H.M. GUENSER (Continued) **S109821526**

Permitted Throughput with Units: Not reported
Actual Throughput with Units: Not reported
Permitted Capacity with Units: Not reported
Remaining Capacity: Not reported
Remaining Capacity with Units: Not reported
Lat/Long: 33.87 / -118.31083

53
NE
1/8-1/4
0.240 mi.
1265 ft.

IDEAL THREAD & GAGE CO INC.
17124 S WESTERN AVE
GARDENA, CA 90247

RCRA-SQG **1000148476**
CA HAZNET **CAD982321309**
CA LOS ANGELES CO. HMS

Relative:
Higher

Actual:
39 ft.

RCRA-SQG:
Date form received by agency: 03/10/1988
Facility name: IDEAL THREAD & GAGE CO INC.
Facility address: 17124 S WESTERN AVE
GARDENA, CA 90247
EPA ID: CAD982321309
Contact: ENVIRONMENTAL MANAGER
Contact address: 17124 S WESTERN AVE
GARDENA, CA 90247
Contact country: US
Contact telephone: 213-324-0585
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: KRAUS BUD
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator

IDEAL THREAD & GAGE CO INC. (Continued) **1000148476**

Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

HAZNET:
Facility Name: IDEAL THREAD & GAGE CO INC.
envid: 1000148476
Year: 2006
GEPAID: CAD982321309
Contact: ARTHUR KRAUSE
Telephone: 3103240585
Mailing Name: Not reported
Mailing Address: 17124 S WESTERN AVE
Mailing City,St,Zip: GARDENA, CA 902475265
Gen County: Not reported
TSD EPA ID: CAD099452708
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Tons: 0.2
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000148476
Year: 2006
GEPAID: CAD982321309
Contact: ARTHUR KRAUSE
Telephone: 3103240585
Mailing Name: Not reported
Mailing Address: 17124 S WESTERN AVE
Mailing City,St,Zip: GARDENA, CA 902475265
Gen County: Not reported
TSD EPA ID: CAD099452708
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Tons: 0.27
Cat Decode: Not reported

IDEAL THREAD & GAGE CO INC. (Continued) **1000148476**

Method Decode: Not reported
Facility County: Los Angeles

envid: 1000148476
Year: 2006
GEPAID: CAD982321309
Contact: ARTHUR KRAUSE
Telephone: 3103240585
Mailing Name: Not reported
Mailing Address: 17124 S WESTERN AVE
Mailing City,St,Zip: GARDENA, CA 902475265
Gen County: Not reported
TSD EPA ID: CAD099452708
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Tons: 0.91
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000148476
Year: 2006
GEPAID: CAD982321309
Contact: ARTHUR KRAUSE
Telephone: 3103240585
Mailing Name: Not reported
Mailing Address: 17124 S WESTERN AVE
Mailing City,St,Zip: GARDENA, CA 902475265
Gen County: Not reported
TSD EPA ID: CAD008302903
TSD County: Not reported
Waste Category: Unspecified solvent mixture
Disposal Method: Recycler
Tons: 0.06
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000148476
Year: 2005
GEPAID: CAD982321309
Contact: ARTHUR KRAUSE
Telephone: 3103240585
Mailing Name: Not reported
Mailing Address: 17124 S WESTERN AVE
Mailing City,St,Zip: GARDENA, CA 902475265
Gen County: Not reported
TSD EPA ID: CAD099452708
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Not reported
Tons: 0.45
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

IDEAL THREAD & GAGE CO INC. (Continued) **1000148476**

Click this hyperlink while viewing on your computer to access
6 additional CA_HAZNET: record(s) in the EDR Site Report.

LOS ANGELES CO. HMS:
Region: LA
Permit Category: Not reported
Facility Id: 025413-034815
Facility Type: Not reported
Facility Status: OPEN
Area: 2B
Permit Number: Not reported
Permit Status: Not reported

---

54 **UNITED PARCEL SERVICE** **NY MANIFEST** **1009219016**
NE **17105 WESTERN BLVD** **N/A**
1/8-1/4 **GARDENA, CA 90247**
0.248 mi.
1312 ft.

Relative:
Higher

Actual:
40 ft.

NY MANIFEST:
Country: USA
EPA ID: CAD981663727
Facility Status: Not reported
Location Address 1: 17105 WESTERN BLVD
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: GARDENA
Location State: CA
Location Zip: 90247
Location Zip 4: Not reported

NY MANIFEST:
EPAID: CAD981663727
Mailing Name: UNITED PARCEL SERVICE
Mailing Contact: UNITED PARCEL SERVICE
Mailing Address 1: 17105 WESTERN BLVD
Mailing Address 2: Not reported
Mailing City: GARDENA
Mailing State: CA
Mailing Zip: 90247
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 2132172602

NY MANIFEST:
Document ID: NYB1004238
Manifest Status: C
seq: Not reported
Year: 1990
Trans1 State ID: 10208P-NY
Trans2 State ID: Not reported
Generator Ship Date: 01/22/1990
Trans1 Recv Date: 01/22/1990
Trans2 Recv Date: / /
TSD Site Recv Date: 02/02/1990
Part A Recv Date: 02/01/1990

UNITED PARCEL SERVICE (Continued) **1009219016**

Part B Recv Date:	02/15/1990
Generator EPA ID:	CAD981663727
Trans1 EPA ID:	NYD980769947
Trans2 EPA ID:	Not reported
TSDF ID 1:	NYD000632372
TSDF ID 2:	Not reported
Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported
Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00006
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100

Click this hyperlink while viewing on your computer to access
-1 additional NY MANIFEST: record(s) in the EDR Site Report.

55
SSW
1/4-1/2
0.280 mi.
1481 ft.

H.M. GUENSER **CA SWF/LF** **S111075935**
17800 SOUTH GRAMERCY PLACE **N/A**
TORRANCE, CA 90504

Relative:
Higher

Actual:
52 ft.

LOS ANGELES CO. LF:

Site ID:	2162
Alt. Address:	Not reported
Site Contact:	Not reported
Site Contact Phone:	(000) 000-0000
Site Email:	Not reported
Site Website:	Not reported
Site Type:	Designated Waste Landfill
Site SWIS Number:	19-AA-5095
Beginning Operation Date:	1958
Ending Operation Date:	1962
Local Enforcement Agency:	County Public Health
Maximun Depth Fill(Ft):	40
Permitted Capacity:	Not reported
Present Use:	Guenser Park
Remaining Capacity(Million):	Not reported
Status:	Closed

H.M. GUENSER (Continued) **S111075935**

Waste Accepted: Commercial; Inert; Residential; Sludge
Hours of Operation: Not reported
Disposal Area (Acre): 2.5

Detail As Of 01/2014:
Operator Name: H.M. Guenser
Operator Address: Not reported
Operator City/State/Zip: Not reported
Operator Contact: Not reported
Operator Telephone: Not reported
Operator Email: Not reported
Owner Name: City of Torrance, Parks And Recreation
Owner Address: 3100 Torrance Blvd
Owner City/State/Zip: Torrance, CA
Owner Contact: Not reported
Owner Telephone: Not reported
Owner Email: Not reported

N56 **AUTO CHEK CENTERS** **CA LUST S102424765**
West **2150 ARTESIA** **CA HIST CORTESE N/A**
1/4-1/2 **TORRANCE, CA 90504**
0.299 mi.
1580 ft. **Site 1 of 3 in cluster N**

Relative:
Higher

Actual:
50 ft.

LUST:
Lead Agency: TORRANCE, CITY OF
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701498
Global Id: T0603701498
Latitude: 33.872539
Longitude: -118.317474
Status: Completed - Case Closed
Status Date: 02/04/1991
Case Worker: RVB
RB Case Number: 905040243
Local Agency: TORRANCE, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Other Solvent or Non-Petroleum Hydrocarbon
Site History: Not reported

LUST:
Global Id: T0603701498
Contact Type: Local Agency Caseworker
Contact Name: RICHARD V. BONGARD
Organization Name: TORRANCE, CITY OF
Address: Not reported
City: R4 UNKNOWN
Email: Not reported
Phone Number: 3106182973

Global Id: T0603701498
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov

AUTO CHEK CENTERS (Continued) **S102424765**

Phone Number: Not reported

LUST:
Global Id: T0603701498
Action Type: Other
Date: 09/11/1990
Action: Leak Reported

LUST:
Global Id: T0603701498
Status: Completed - Case Closed
Status Date: 02/04/1991

Global Id: T0603701498
Status: Open - Case Begin Date
Status Date: 09/11/1990

Global Id: T0603701498
Status: Open - Remediation
Status Date: 09/18/1990

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 905040243
Status: Case Closed
Substance: Hydrocarbons
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603701498
W Global ID: Not reported
Staff: UNK
Local Agency: 19038
Cross Street: VAN NESS BLVD.
Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak First Reported: 9/11/1990
Date Leak Record Entered: 12/13/1990
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 2/4/1991
Date the Case was Closed: 2/4/1991
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: Not reported
Leak Source: Not reported
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 3897.622923134416740745879506
Source of Cleanup Funding: Not reported
Preliminary Site Assessment Workplan Submitted: Not reported

AUTO CHEK CENTERS (Continued) **S102424765**

Preliminary Site Assessment Began:	Not reported
Pollution Characterization Began:	Not reported
Remediation Plan Submitted:	9/18/1990
Remedial Action Underway:	Not reported
Post Remedial Action Monitoring Began:	Not reported
Enforcement Action Date:	Not reported
Historical Max MTBE Date:	Not reported
Hist Max MTBE Conc in Groundwater:	Not reported
Hist Max MTBE Conc in Soil:	Not reported
Significant Interim Remedial Action Taken:	Not reported
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
Organization:	Not reported
Owner Contact:	Not reported
Responsible Party:	JIFFY LUBE INT'L INC.
RP Address:	P.O. BOX 17223, BALTIMORE, MARYLAND 21203-7223
Program:	LUST
Lat/Long:	33.8726396 / -1
Local Agency Staff:	RVB
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	Not reported

HIST CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	905040243

57
East
1/4-1/2
0.300 mi.
1584 ft.

GARDENA MARKETPLACE **CA ENVIROSTOR** **S111290781**
1735, 1711, 1741 1701 AND 1691 WEST ARTESIA BLVD. **CA VCP** **N/A**
GARDENA, CA 90240 **CA DEED**

Relative:
Lower

Actual:
34 ft.

ENVIROSTOR:

Facility ID:	19360536
Status:	Certified / Operation & Maintenance
Status Date:	01/04/2013
Site Code:	301261
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	10
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Folashade Simpson
Supervisor:	Juli Propes
Division Branch:	Cleanup Chatsworth
Assembly:	66
Senate:	35
Special Program:	Voluntary Cleanup Program
Restricted Use:	YES
Site Mgmt Req:	NONE SPECIFIED

GARDENA MARKETPLACE (Continued) **S111290781**

Funding:	Responsible Party
Latitude:	33.87305
Longitude:	-118.3080
APN:	6106-010-014, 6106-010-015, 6106-010-016, 6106-010-017, 6106-010-018, 6106010014, 6106010015, 6106010016, 6106010017, 6106010018
Past Use:	EQUIPMENT/INSTRUMENT REPAIR, MANUFACTURING - ELECTRONIC
Potential COC:	Polychlorinated biphenyls (PCBs Tetrachloroethylene (PCE Trichloroethylene (TCE 1,2,4-Trimethylbenzene
Confirmed COC:	1,2,4-Trimethylbenzene Polychlorinated biphenyls (PCBs Tetrachloroethylene (PCE Trichloroethylene (TCE
Potential Description:	AQUI, SOIL, SV
Alias Name:	6106-010-014
Alias Type:	APN
Alias Name:	6106-010-015
Alias Type:	APN
Alias Name:	6106-010-016
Alias Type:	APN
Alias Name:	6106-010-017
Alias Type:	APN
Alias Name:	6106-010-018
Alias Type:	APN
Alias Name:	6106010014
Alias Type:	APN
Alias Name:	6106010015
Alias Type:	APN
Alias Name:	6106010016
Alias Type:	APN
Alias Name:	6106010017
Alias Type:	APN
Alias Name:	6106010018
Alias Type:	APN
Alias Name:	110033605631
Alias Type:	EPA (FRS #)
Alias Name:	SLT4L6881853
Alias Type:	GeoTracker Global ID
Alias Name:	301261
Alias Type:	Project Code (Site Code)
Alias Name:	19360536
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	10/17/2011
Comments:	Letter sent to proponent on 10/12/2011
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	05/08/2018
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	02/07/2018
Comments:	Approval (Waterborard) for Additional Amendment Volumes to Maintain

GARDENA MARKETPLACE (Continued) **S111290781**

ERD System

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 10/10/2018
Comments: Assignment of new project manager

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 10/25/2005
Comments: The Supplemental Investigation Report was approved which completed the characterization of the nature and extent of PCB soil contamination.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 09/11/2007
Comments: The RAW was finalized which includes excavation and off-site disposal of PCB-impacted soil in landscaped areas.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 05/06/2013
Comments: Memo emailed to CRU with details on termination of VCA and transition to O&M agreement for future cost oversight.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pre-HARP Form
Completed Date: 11/26/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/27/2017
Comments: Cost Estimate FY17/18

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/13/2017
Comments: accepted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 12/19/2016
Comments: Report accepted as final.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

GARDENA MARKETPLACE (Continued) **S111290781**

Completed Date: 04/12/2017
Comments: Report accepted as final.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/27/2017
Comments: Report accepted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/28/2017
Comments: Report accepted. SVE system will continue to operate.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/02/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/02/2017
Comments: Report accepted. DTSC concurs that monitoring should continue.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/02/2017
Comments: Report accepted. SVE unit will continue to operate.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/02/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/29/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/23/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/09/2018
Comments: Not reported

GARDENA MARKETPLACE (Continued) **S111290781**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/09/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/18/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 08/15/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/22/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/15/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/15/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/27/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/31/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 11/15/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

GARDENA MARKETPLACE (Continued) **S111290781**

Completed Date: 12/21/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation & Maintenance Order/Agreement
Completed Date: 10/04/2012
Comments: O&MA Signed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 12/31/2012
Comments: Certification document executed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 12/04/2007
Comments: Excavation and disposal of landscaped areas in the Gardena Marketplace is complete. Soil excavated to a depth of 2 feet,with placement of a liner followed with clean soil backfill.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 09/11/2008
Comments: The completion report documenting soil cleanup activities was approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 12/23/2008
Comments: The Vapor Report details results from the vapor intrusion study performed near the Burger King resturaunt. The report concluded that further investigation of the area is necesary, although the results indicate low levels of VOCs were present. A further work plan will be submitted by Honeywell.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Plan
Completed Date: 12/31/2008
Comments: DTSC approved this plan which details the procedures and requirement for the maintenance of the capped areas (parking lots and landscaped areas)for the Gardena Marketplace.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/10/2009
Comments: Report approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

GARDENA MARKETPLACE (Continued) **S111290781**

Completed Date: 07/02/2009
Comments: Report Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/20/2009
Comments: Report approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/13/2010
Comments: Report Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/15/2009
Comments: Report approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/19/2010
Comments: Report approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/26/2011
Comments: DTSC issued letter concurring with report to discontinue Indoor Air Testing.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/24/2011
Comments: No problems identified during inspection.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Financial Assurance Documentation
Completed Date: 11/04/2012
Comments: LUC recorded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/02/2012
Comments: Report reviewed; no changes or damaged to cap reported;

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Soils Management Plan
Completed Date: 12/21/2012
Comments: Approval of the Soils Management Plan was issued on 12/17/2012 via

GARDENA MARKETPLACE (Continued) **S111290781**

email. A formal letter will follow.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 12/21/2012
Comments: Issued approval of soil cap penetration activities via email on 12/21/2012

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement Termination Notification
Completed Date: 01/04/2013
Comments: Sent out letter.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/11/2012
Comments: No problems reported with the Cap; document accepted as final.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/17/2013
Comments: No problems with cap reported. Document accepted as final.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/01/2012
Comments: No problems with the cap reported. Document accepted as final.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/04/2014
Comments: Document accepted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 11/27/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 06/05/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 07/21/2014
Comments: Not reported

GARDENA MARKETPLACE (Continued) **S111290781**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 12/17/2012
Comments: Copy of LUC received.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 08/17/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 02/18/2016
Comments: Document accepted. A RAW has been prepared and will be public noticed.
Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 05/09/2016
Comments: RAW approved for implementation

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 03/16/2016
Comments: To be mailed out

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 03/16/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 02/17/2016
Comments: Document accepted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/07/2016
Comments: Document accepted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 05/01/2016
Comments: Accepted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

GARDENA MARKETPLACE (Continued) **S111290781**

Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 07/18/2016
Comments: The report is approved and accepted as a final document. Cracks in the pavement cap need to be sealed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 05/09/2016
Comments: Document accepted. Only comment about Benzene being a COC was address by CH2MHill. Benzene is not a COC. Additional sampling will continue.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 09/05/2016
Comments: Comments provided on additional mitigations. Report accepted as final

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 10/05/2016
Comments: SVE construction done. Just need to complete extraction wells in Gardena Village

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 10/17/2016
Comments: Report accepted. Additional evaluation will be performed and data will be provided to analyzed historical trends.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 02/02/2017
Comments: Report accepted as final deliverable

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/23/2013
Comments: Letter sent out

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Post HARP Form
Completed Date: 11/28/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 05/02/2013
Comments: Provided to DTSC as FYI only

Completed Area Name: PROJECT WIDE

GARDENA MARKETPLACE (Continued) **S111290781**

Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/26/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/19/2016
Comments: Estimate emailed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Voluntary Cleanup Agreement Completion
Completed Date: 06/30/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/10/2015
Comments: Estimates sent via email

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 04/26/2016
Comments: NOD sent to OPEA

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 11/02/2012
Comments: LUC recorded.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 10/20/2014
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/01/2014
Comments: Document accepted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/21/2014
Comments: Document reviewed; no comments issued.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/07/2014

GARDENA MARKETPLACE (Continued) **S111290781**

Comments: Document accepted. In general, indoor air PCE/TCE concentrations were reduced following VI mitigation measures implemented in January & February 2014. Sub-slab concentrations varied. RP will continue to monitor VI site conditions and provide DTSC with monitoring reports.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Financial Assurance Documentation
Completed Date: 04/27/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/09/2015
Comments: document accepted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/09/2015
Comments: document accepted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 12/04/2014
Comments: Work plan approved via email on 12/1/2014.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 12/10/2014
Comments: Document accepted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 01/22/2015
Comments: Work Plan approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 07/31/2007
Comments: Uploaded document

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 01/09/2015
Comments: Activity approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 05/04/2015

GARDENA MARKETPLACE (Continued) **S111290781**

Comments:	Document accepted
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Fieldwork
Completed Date:	05/02/2015
Comments:	Field work continues. A new activity will be created to track progress
	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Investigation Workplan
Completed Date:	05/01/2015
Comments:	Document accepted as final
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	05/18/2015
Comments:	document accepted
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Workplan
Completed Date:	03/20/2015
Comments:	Document accepted.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Technical Report
Completed Date:	07/30/2015
Comments:	Document accepted as final
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Technical Workplan
Completed Date:	07/23/2015
Comments:	Document submitted to and approved by Water Board.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Fieldwork
Completed Date:	11/21/2015
Comments:	For the most part work involving intrusion of the CAP has been completed. If additional work is needed a new activity will be created to track this work.
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

GARDENA MARKETPLACE (Continued) **S111290781**

VCP:

Facility ID:	19360536
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Cleanup
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	10
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Folashade Simpson
Supervisor:	Juli Propes
Division Branch:	Cleanup Chatsworth
Site Code:	301261
Assembly:	66
Senate:	35
Special Programs Code:	Voluntary Cleanup Program
Status:	Certified / Operation & Maintenance
Status Date:	01/04/2013
Restricted Use:	YES
Funding:	Responsible Party
Lat/Long:	33.87305 / -118.3080
APN:	6106-010-014, 6106-010-015, 6106-010-016, 6106-010-017, 6106-010-018, 6106010014, 6106010015, 6106010016, 6106010017, 6106010018
Past Use:	EQUIPMENT/INSTRUMENT REPAIR, MANUFACTURING - ELECTRONIC
Potential COC:	30018, 30022, 30027, 30577
Confirmed COC:	30577,30018,30022,30027
Potential Description:	AQUI, SOIL, SV
Alias Name:	6106-010-014
Alias Type:	APN
Alias Name:	6106-010-015
Alias Type:	APN
Alias Name:	6106-010-016
Alias Type:	APN
Alias Name:	6106-010-017
Alias Type:	APN
Alias Name:	6106-010-018
Alias Type:	APN
Alias Name:	6106010014
Alias Type:	APN
Alias Name:	6106010015
Alias Type:	APN
Alias Name:	6106010016
Alias Type:	APN
Alias Name:	6106010017
Alias Type:	APN
Alias Name:	6106010018
Alias Type:	APN
Alias Name:	110033605631
Alias Type:	EPA (FRS #)
Alias Name:	SLT4L6881853
Alias Type:	GeoTracker Global ID
Alias Name:	301261
Alias Type:	Project Code (Site Code)
Alias Name:	19360536
Alias Type:	Envirostor ID Number

GARDENA MARKETPLACE (Continued) **S111290781**

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	10/17/2011
Comments:	Letter sent to proponent on 10/12/2011
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	05/08/2018
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	02/07/2018
Comments:	Approval (Waterborard) for Additional Amendment Volumes to Maintain ERD System
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	10/10/2018
Comments:	Assignment of new project manager
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Investigation Report
Completed Date:	10/25/2005
Comments:	The Supplemental Investigation Report was approved which completed the characterization of the nature and extent of PCB soil contamination.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Removal Action Workplan
Completed Date:	09/11/2007
Comments:	The RAW was finalized which includes excavation and off-site disposal of PCB-impacted soil in landscaped areas.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	05/06/2013
Comments:	Memo emailed to CRU with details on termination of VCA and transition to O&M agreement for future cost oversight.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Pre-HARP Form
Completed Date:	11/26/2018
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate

GARDENA MARKETPLACE (Continued) **S111290781**

Completed Date: 11/27/2017
Comments: Cost Estimate FY17/18

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/13/2017
Comments: accepted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 12/19/2016
Comments: Report accepted as final.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/12/2017
Comments: Report accepted as final.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/27/2017
Comments: Report accepted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/28/2017
Comments: Report accepted. SVE system will continue to operate.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/02/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/02/2017
Comments: Report accepted. DTSC concurs that monitoring should continue.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/02/2017
Comments: Report accepted. SVE unit will continue to operate.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/02/2018
Comments: Not reported

GARDENA MARKETPLACE (Continued) **S111290781**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/29/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/23/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/09/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/09/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/18/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 08/15/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/22/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/15/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/15/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

GARDENA MARKETPLACE (Continued) **S111290781**

Completed Date: 11/27/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/31/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 11/15/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/21/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation & Maintenance Order/Agreement
Completed Date: 10/04/2012
Comments: O&MA Signed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 12/31/2012
Comments: Certification document executed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 12/04/2007
Comments: Excavation and disposal of landscaped areas in the Gardena Marketplace is complete. Soil excavated to a depth of 2 feet,with placement of a liner followed with clean soil backfill.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 09/11/2008
Comments: The completion report documenting soil cleanup activities was approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 12/23/2008
Comments: The Vapor Report details results from the vapor intrusion study performed near the Burger King resturaunt. The report concluded that further investigation of the area is necesary, although the results indicate low levels of VOCs were present. A further work plan will be submitted by Honeywell.

GARDENA MARKETPLACE (Continued) **S111290781**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Plan
Completed Date: 12/31/2008
Comments: DTSC approved this plan which details the procedures and requirement for the maintenance of the capped areas (parking lots and landscaped areas)for the Gardena Marketplace.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/10/2009
Comments: Report approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/02/2009
Comments: Report Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/20/2009
Comments: Report approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/13/2010
Comments: Report Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/15/2009
Comments: Report approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/19/2010
Comments: Report approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/26/2011
Comments: DTSC issued letter concurring with report to discontinue Indoor Air Testing.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/24/2011
Comments: No problems identified during inspection.

GARDENA MARKETPLACE (Continued) **S111290781**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Financial Assurance Documentation
Completed Date: 11/04/2012
Comments: LUC recorded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/02/2012
Comments: Report reviewed; no changes or damaged to cap reported;

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Soils Management Plan
Completed Date: 12/21/2012
Comments: Approval of the Soils Management Plan was issued on 12/17/2012 via email. A formal letter will follow.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 12/21/2012
Comments: Issued approval of soil cap penetration activities via email on 12/21/2012

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement Termination Notification
Completed Date: 01/04/2013
Comments: Sent out letter.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/11/2012
Comments: No problems reported with the Cap; document accepted as final.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/17/2013
Comments: No problems with cap reported. Document accepted as final.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/01/2012
Comments: No problems with the cap reported. Document accepted as final.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/04/2014
Comments: Document accepted.

Completed Area Name: PROJECT WIDE

GARDENA MARKETPLACE (Continued) **S111290781**

Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 11/27/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 06/05/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 07/21/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 12/17/2012
Comments: Copy of LUC received.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 08/17/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 02/18/2016
Comments: Document accepted. A RAW has been prepared and will be public noticed.
Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 05/09/2016
Comments: RAW approved for implementation

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 03/16/2016
Comments: To be mailed out

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 03/16/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report

GARDENA MARKETPLACE (Continued) **S111290781**

Completed Date: 02/17/2016
Comments: Document accepted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/07/2016
Comments: Document accepted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 05/01/2016
Comments: Accepted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 07/18/2016
Comments: The report is approved and accepted as a final document. Cracks in the pavement cap need to be sealed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 05/09/2016
Comments: Document accepted. Only comment about Benzene being a COC was address by CH2MHill. Benzene is not a COC. Additional sampling will continue.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 09/05/2016
Comments: Comments provided on additional mitigations. Report accepted as final

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 10/05/2016
Comments: SVE construction done. Just need to complete extraction wells in Gardena Village

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 10/17/2016
Comments: Report accepted. Additional evaluation will be performed and data will be provided to analyzed historical trends.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 02/02/2017
Comments: Report accepted as final deliverable

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

GARDENA MARKETPLACE (Continued) **S111290781**

Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/23/2013
Comments: Letter sent out

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Post HARP Form
Completed Date: 11/28/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 05/02/2013
Comments: Provided to DTSC as FYI only

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/26/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/19/2016
Comments: Estimate emailed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Voluntary Cleanup Agreement Completion
Completed Date: 06/30/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/10/2015
Comments: Estimates sent via email

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 04/26/2016
Comments: NOD sent to OPEA

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 11/02/2012
Comments: LUC recorded.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 10/20/2014
Comments: Approved

GARDENA MARKETPLACE (Continued) **S111290781**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/01/2014
Comments: Document accepted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/21/2014
Comments: Document reviewed; no comments issued.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/07/2014
Comments: Document accepted. In general, indoor air PCE/TCE concentrations were reduced following VI mitigation measures implemented in January & February 2014. Sub-slab concentrations varied. RP will continue to monitor VI site conditions and provide DTSC with monitoring reports.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Financial Assurance Documentation
Completed Date: 04/27/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/09/2015
Comments: document accepted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/09/2015
Comments: document accepted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 12/04/2014
Comments: Work plan approved via email on 12/1/2014.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 12/10/2014
Comments: Document accepted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 01/22/2015
Comments: Work Plan approved

GARDENA MARKETPLACE (Continued) **S111290781**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 07/31/2007
Comments: Uploaded document

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 01/09/2015
Comments: Activity approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 05/04/2015
Comments: Document accepted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 05/02/2015
Comments: Field work continues. A new activity will be created to track progress
Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 05/01/2015
Comments: Document accepted as final

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/18/2015
Comments: document accepted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 03/20/2015
Comments: Document accepted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 07/30/2015
Comments: Document accepted as final

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 07/23/2015
Comments: Document submitted to and approved by Water Board.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

GARDENA MARKETPLACE (Continued) **S111290781**

Completed Document Type: Fieldwork
Completed Date: 11/21/2015
Comments: For the most part work involving intrusion of the CAP has been completed. If additional work is needed a new activity will be created to track this work.

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

DEED:
Envirostor ID: 19360536
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: VOLUNTARY CLEANUP
Status: CERTIFIED / OPERATION & MAINTENANCE
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): 12/17/2012
File Name: Envirostor Land Use Restrictions

Envirostor ID: 19360536
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: VOLUNTARY CLEANUP
Status: CERTIFIED / OPERATION & MAINTENANCE
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): 11/02/2012
File Name: Envirostor Land Use Restrictions

58
ENE
1/4-1/2
0.304 mi.
1607 ft.

ACE TRAILER PARK SITE/HONEYWELL **CA ENVIROSTOR** **S108741723**
17024 S. WESTERN AVE. **CA VCP** **N/A**
GARDENA, CA 90247

Relative:
Higher

Actual:
39 ft.

ENVIROSTOR:
Facility ID: 19880082
Status: Certified
Status Date: 12/26/2006
Site Code: 301197
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: 4.36
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Rita Kamat
Division Branch: Cleanup Chatsworth

ACE TRAILER PARK SITE/HONEYWELL (Continued) **S108741723**

Assembly:	66
Senate:	35
Special Program:	Voluntary Cleanup Program
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	33.87548
Longitude:	-118.3078
APN:	6106009012, 8950-372-070
Past Use:	EQUIPMENT/INSTRUMENT REPAIR, MANUFACTURING - ELECTRONIC
Potential COC:	Polychlorinated biphenyls (PCBs
Confirmed COC:	NONE SPECIFIED
Potential Description:	SOIL
Alias Name:	HONEYWELL
Alias Type:	Alternate Name
Alias Name:	6106009012
Alias Type:	APN
Alias Name:	8950-372-070
Alias Type:	APN
Alias Name:	110033613070
Alias Type:	EPA (FRS #)
Alias Name:	301197
Alias Type:	Project Code (Site Code)
Alias Name:	19880082
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Certification
Completed Date:	05/24/2006
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Removal Action Workplan
Completed Date:	05/14/2004
Comments:	- The Removal Action Workplan (RAW) for this site includes plans for re-locating residents and removing trailers in the Southern three rows. PCB-impacted soil will be excavated and disposed, and the site restored. Comments received from the public were addressed in a Response to Comments letter. - A Notice of Exemption (NOE) was finalized for this site in Gardena with PCB contamination underneath two trailer rows. The NOE is for a RAW which includes excavation and disposal of soil. No comments on the draft NOE were received.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Action Completion Report
Completed Date:	05/04/2006
Comments:	RP submitted the report on 4/14/06

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Fieldwork
Completed Date:	02/27/2006
Comments:	The RAW implementation for the Ace Trailer property has been completed. Approximately 4,000 cu. yds. of PCB-contaminated soil was

ACE TRAILER PARK SITE/HONEYWELL (Continued) **S108741723**

excavated and transported to Clean Harbors treatment facility. Confirmation sampling showed the cleanup goal of .220 ppm has been met. Clean fill was brought to the site and compacted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 05/14/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 10/10/2003
Comments: The VCA with Honeywell, Inc. includes site characterization and a removal action for the Ace Trailer Park Site.

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

VCP:
Facility ID: 19880082
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 4.36
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Rita Kamat
Division Branch: Cleanup Chatsworth
Site Code: 301197
Assembly: 66
Senate: 35
Special Programs Code: Voluntary Cleanup Program
Status: Certified
Status Date: 12/26/2006
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 33.87548 / -118.3078
APN: 6106009012, 8950-372-070
Past Use: EQUIPMENT/INSTRUMENT REPAIR, MANUFACTURING - ELECTRONIC
Potential COC: 30018
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL
Alias Name: HONEYWELL
Alias Type: Alternate Name
Alias Name: 6106009012

ACE TRAILER PARK SITE/HONEYWELL (Continued) **S108741723**

Alias Type: APN
Alias Name: 8950-372-070
Alias Type: APN
Alias Name: 110033613070
Alias Type: EPA (FRS #)
Alias Name: 301197
Alias Type: Project Code (Site Code)
Alias Name: 19880082
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 05/24/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 05/14/2004
Comments: - The Removal Action Workplan (RAW) for this site includes plans for re-locating residents and removing trailers in the Southern three rows. PCB-impacted soil will be excavated and disposed, and the site restored. Comments received from the public were addressed in a Response to Comments letter. - A Notice of Exemption (NOE) was finalized for this site in Gardena with PCB contamination underneath two trailer rows. The NOE is for a RAW which includes excavation and disposal of soil. No comments on the draft NOE were received.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 05/04/2006
Comments: RP submitted the report on 4/14/06

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 02/27/2006
Comments: The RAW implementation for the Ace Trailer property has been completed. Approximately 4,000 cu. yds. of PCB-contaminated soil was excavated and transported to Clean Harbors treatment facility. Confirmation sampling showed the cleanup goal of .220 ppm has been met. Clean fill was brought to the site and compacted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 05/14/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 10/10/2003
Comments: The VCA with Honeywell, Inc. includes site characterization and a removal action for the Ace Trailer Park Site.

ACE TRAILER PARK SITE/HONEYWELL (Continued) **S108741723**

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

N59
West
1/4-1/2
0.316 mi.
1671 ft.

HIGGINS BRICK & TILE CO WEST **CA SWF/LF** **S103340227**
2200-2214 W. ARTESIA **N/A**
TORRANCE, CA

Site 2 of 3 in cluster N

Relative:
Higher

Actual:
50 ft.

SWF/LF (SWIS):

Facility ID:	19-AA-5101
Lat/Long:	33.8729 / -118.3092
Owner Name:	Carriage Development, Sfd
Owner Telephone:	Not reported
Owner Address:	Not reported
Owner Address2:	22330 Hawthrone Blvd.
Owner City,St,Zip:	Torrance, CA 90505
Operational Status:	Closed
Operator:	Yang, Ya Chien
Operator Phone:	Not reported
Operator Address:	Not reported
Operator Address2:	27963 Farm Hill Dr.
Operator City,St,Zip:	Hayward, CA 94542
Permit Date:	Not reported
Permit Status:	Not reported
Permitted Acreage:	$0.00
Activity:	Solid Waste Disposal Site
Regulation Status:	Unpermitted
Landuse Name:	Residential,Park,Commercial
GIS Source:	Map
Category:	Disposal
Unit Number:	01
Inspection Frequency:	Annual
Accepted Waste:	Not reported
Closure Date:	Not reported
Closure Type:	Not reported
Disposal Acreage:	$0.00
SWIS Num:	19-AA-5101
Waste Discharge Requirement Num:	Not reported
Program Type:	Not reported
Permitted Throughput with Units:	Not reported
Actual Throughput with Units:	Not reported
Permitted Capacity with Units:	Not reported
Remaining Capacity:	Not reported
Remaining Capacity with Units:	Not reported
Lat/Long:	33.8729 / -118.3092

N60 **LANDFILL ASSOCIATES** **CA SWF/LF** **S111075977**
West **2200 WEST ARTESIA BOULEVARD** **N/A**
1/4-1/2 **TORRANCE, CA 90504**
0.316 mi.
1671 ft. **Site 3 of 3 in cluster N**

Relative: **Higher**
Actual: **50 ft.**

LOS ANGELES CO. LF:

Site ID:	1976
Alt. Address:	2500 Descanso Way, Torrance, CA 90504
Site Contact:	Not reported
Site Contact Phone:	(000) 000-0000
Site Email:	Not reported
Site Website:	Not reported
Site Type:	Designated Waste Landfill
Site SWIS Number:	19-AA-5571; 19-AA-5101
Beginning Operation Date:	Not reported
Ending Operation Date:	Not reported
Local Enforcement Agency:	Not reported
Maximun Depth Fill(Ft):	35
Permitted Capacity:	Not reported
Present Use:	Descanso Park
Remaining Capacity(Million):	Not reported
Status:	Closed
Waste Accepted:	Inert; Clean Dirt
Hours of Operation:	Not reported
Disposal Area (Acre):	Not reported

Detail As Of 01/2014:

Operator Name:	Unknown
Operator Address:	Not reported
Operator City/State/Zip:	Not reported
Operator Contact:	Not reported
Operator Telephone:	Not reported
Operator Email:	Not reported
Owner Name:	Carriage Development, Sfd
Owner Address:	22330 Hawthorne Blv
Owner City/State/Zip:	Torrance, CA 90505
Owner Contact:	Not reported
Owner Telephone:	Not reported
Owner Email:	Not reported

O61 **MEREL CO INC** **SEMS-ARCHIVE** **1015732696**
NNW **16809 S GRAMERCY PLACE** **RCRA-SQG** **CAD009574773**
1/4-1/2 **GARDENA, CA 90247**
0.319 mi.
1686 ft. **Site 1 of 3 in cluster O**

Relative: **Lower**
Actual: **29 ft.**

SEMS Archive:

Site ID:	0901228
EPA ID:	CAD009574773
Cong District:	31
FIPS Code:	06037
FF:	N
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information
Latitude:	33.891667
Longitude:	-118.301667

SEMS Archive Detail:

Region:	09
Site ID:	0901228

MEREL CO INC (Continued) **1015732696**

EPA ID:	CAD009574773
Site Name:	MEREL CO INC
NPL:	N
FF:	N
OU:	00
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	1989-01-18 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	09
Site ID:	0901228
EPA ID:	CAD009574773
Site Name:	MEREL CO INC
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	Not reported
Finish Date:	1989-01-18 05:00:00
Qual:	N
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0901228
EPA ID:	CAD009574773
Site Name:	MEREL CO INC
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	2
Start Date:	1986-07-01 04:00:00
Finish Date:	1987-07-01 04:00:00
Qual:	L
Current Action Lead:	St Perf

Region:	09
Site ID:	0901228
EPA ID:	CAD009574773
Site Name:	MEREL CO INC
NPL:	N
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1986-07-01 04:00:00
Finish Date:	1986-07-01 04:00:00
Qual:	Not reported
Current Action Lead:	St Perf

MEREL CO INC (Continued) **1015732696**

RCRA-SQG:
Date form received by agency: 09/01/1996
Facility name: TECH ETCH MEREL INC
Facility address: 16809 GRAMERCY PL
GARDENA, CA 90247
EPA ID: CAD009574773
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: MEREL CO INC
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No

MEREL CO INC (Continued) **1015732696**

Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	09/01/1996
Site name:	TECH ETCH MEREL INC
Classification:	Small Quantity Generator
Date form received by agency:	03/29/1994
Site name:	TECH ETCH/MEREL INC
Classification:	Large Quantity Generator
Date form received by agency:	01/28/1992
Site name:	TECH-ETCH/MEREL, INC.
Classification:	Large Quantity Generator
Date form received by agency:	04/10/1990
Site name:	MEREL COMPANY INC
Classification:	Large Quantity Generator
Date form received by agency:	02/06/1990
Site name:	TECH ETCH MEREL INC
Classification:	Large Quantity Generator
Violation Status:	No violations found

Evaluation Action Summary:

Evaluation date:	08/18/1992
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State Contractor/Grantee

O62 **INDUSTRIAL MOLDING CORPORATION** **CA ENVIROSTOR** **S102860867**
NNW **16719 SOUTH GRAMERCY PLACE** **N/A**
1/4-1/2 **GARDENA, CA 90247**
0.335 mi.
1770 ft. **Site 2 of 3 in cluster O**

Relative:
Lower

Actual:
35 ft.

ENVIROSTOR:

Facility ID:	19300084
Status:	Refer: Other Agency
Status Date:	08/31/1995
Site Code:	Not reported
Site Type:	Historical
Site Type Detailed:	* Historical
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	* Mmonroy

INDUSTRIAL MOLDING CORPORATION (Continued) **S102860867**

Division Branch: Cleanup Chatsworth
Assembly: 66
Senate: 35
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.87784
Longitude: -118.3140
APN: 4094009014
Past Use: NONE SPECIFIED
Potential COC: * Metals - Other Inorganic Solid Waste * EMPTY PESTICIDE CONTAINERS, 30 GALLONS OR MORE * Sludge - Paint * WASTE OIL & MIXED OIL * POLYMERIC RESIN WASTE
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: MEREL COMPANY (1972-PRESENT)
Alias Type: Alternate Name
Alias Name: PIERS PLASTIC MOLDERS(1966-70S)
Alias Type: Alternate Name
Alias Name: 4094009014
Alias Type: APN
Alias Name: CAD981413875
Alias Type: EPA Identification Number
Alias Name: 19300084
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 11/07/1994
Comments: DATABASE VERIFICATION PROJECT CONFIRMS NFA FOR DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 11/07/1988
Comments: Site Screening Done: Site referred to LA County Health Dept

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 10/08/1982
Comments: FACILITY IDENTIFIED L.A. CHAM OF COMM BUS DIR 1966 INJECTION MOLDING, PLASTIC MOL

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

O63 **INDUSTRIAL MOLDING CORP** **SEMS-ARCHIVE** **1003878869**
NNW **16719 GRAMERCY PLACE** **CAD981413875**
1/4-1/2 **GARDENA, CA 90247**
0.335 mi.
1770 ft. **Site 3 of 3 in cluster O**

Relative:
Lower

Actual:
35 ft.

SEMS Archive:

Site ID:	0902332
EPA ID:	CAD981413875
Cong District:	31
FIPS Code:	06037
FF:	N
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information
Latitude:	33.891667
Longitude:	-118.301667

SEMS Archive Detail:

Region:	09
Site ID:	0902332
EPA ID:	CAD981413875
Site Name:	INDUSTRIAL MOLDING CORP
NPL:	N
FF:	N
OU:	00
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	1988-06-01 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	09
Site ID:	0902332
EPA ID:	CAD981413875
Site Name:	INDUSTRIAL MOLDING CORP
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	2
Start Date:	1986-04-01 05:00:00
Finish Date:	1987-04-01 05:00:00
Qual:	H
Current Action Lead:	St Perf

Region:	09
Site ID:	0902332
EPA ID:	CAD981413875
Site Name:	INDUSTRIAL MOLDING CORP
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	Not reported
Finish Date:	1988-06-01 04:00:00

INDUSTRIAL MOLDING CORP (Continued) **1003878869**

Qual:	N
Current Action Lead:	St Perf
Region:	09
Site ID:	0902332
EPA ID:	CAD981413875
Site Name:	INDUSTRIAL MOLDING CORP
NPL:	N
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1986-04-01 05:00:00
Finish Date:	1986-04-01 05:00:00
Qual:	Not reported
Current Action Lead:	St Perf

P64 **CALIFORNIA STREET MAINTENANCE** **CA SWF/LF** **S102058265**
North **1918 W 169TH ST** **CA LUST** **N/A**
1/4-1/2 **GARDENA, CA 90247** **CA HIST CORTESE**
0.345 mi. **CA LOS ANGELES CO. HMS**
1823 ft. **Site 1 of 3 in cluster P**

Relative:
Lower

Actual:
38 ft.

LOS ANGELES CO. LF:

Site ID:	209
Alt. Address:	Not reported
Site Contact:	Not reported
Site Contact Phone:	(310) 826-4477
Site Email:	Not reported
Site Website:	Not reported
Site Type:	Waste Hauler
Site SWIS Number:	19-AS-0016
Beginning Operation Date:	Not reported
Ending Operation Date:	Not reported
Local Enforcement Agency:	Not reported
Maximun Depth Fill(Ft):	Not reported
Permitted Capacity:	Not reported
Present Use:	Not reported
Remaining Capacity(Million):	Not reported
Status:	Active
Waste Accepted:	Not reported
Hours of Operation:	Not reported
Disposal Area (Acre):	Not reported

Detail As Of 01/2014:

Operator Name:	Bay West Refuse Removal Service
Operator Address:	P O Box 25119
Operator City/State/Zip:	Los Angeles, CA 90025
Operator Contact:	Manuel Fierro Jr.
Operator Telephone:	(310) 826-4477
Operator Email:	leticia.e.fierro@att.net
Owner Name:	Unknown
Owner Address:	Not reported
Owner City/State/Zip:	Not reported
Owner Contact:	Not reported
Owner Telephone:	Not reported

CALIFORNIA STREET MAINTENANCE (Continued) **S102058265**

Owner Email: Not reported

LUST:
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603705303
Global Id: T0603705303
Latitude: 33.877829
Longitude: -118.312293
Status: Completed - Case Closed
Status Date: 04/20/1999
Case Worker: CET
RB Case Number: R-20350
Local Agency: LOS ANGELES COUNTY
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0603705303
Contact Type: Regional Board Caseworker
Contact Name: CHANDRA TYLER
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: Not reported
City: R4 UNKNOWN
Email: cetyler@waterboards.ca.gov
Phone Number: Not reported

Global Id: T0603705303
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

LUST:
Global Id: T0603705303
Action Type: Other
Date: 09/03/1998
Action: Leak Reported

Global Id: T0603705303
Action Type: Other
Date: 09/03/1998
Action: Leak Discovery

LUST:
Global Id: T0603705303
Status: Completed - Case Closed
Status Date: 04/20/1999

Global Id: T0603705303

CALIFORNIA STREET MAINTENANCE (Continued) **S102058265**

Status: Open - Case Begin Date
Status Date: 09/03/1998

Global Id: T0603705303
Status: Open - Site Assessment
Status Date: 09/03/1998

Global Id: T0603705303
Status: Open - Site Assessment
Status Date: 09/25/1998

Global Id: T0603705303
Status: Open - Site Assessment
Status Date: 12/15/1998

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	R-20350	
Status:	Case Closed	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603705303	
W Global ID:	Not reported	
Staff:	CEC	
Local Agency:	19000	
Cross Street:	GARMERCY PL	
Enforcement Type:	Not reported	
Date Leak Discovered:	9/3/1998	
Date Leak First Reported:		9/3/1998
Date Leak Record Entered:	10/22/1998	
Date Confirmation Began:	9/3/1998	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		3/25/1999
Date the Case was Closed:		4/20/1999
How Leak Discovered:	OM	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		2405.479965357088006633107532 1
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		9/25/1998
Preliminary Site Assessment Began:		12/15/1998
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported

CALIFORNIA STREET MAINTENANCE (Continued) **S102058265**

Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: CALIFORNIA STREET MAINTENANCE
RP Address: 1989 W. 169TH ST., GARDENA, CA 90247
Program: LUST
Lat/Long: 33.8782016 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: LOP/MODERATE - POTENTIAL WATER IMPACT
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: 1/14/99 - INITIAL SUBSURFACE ENGINEERING/GEOLOGIC SOIL INVEST.

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: R-20350

LOS ANGELES CO. HMS:
Region: LA
Permit Category: I
Facility Id: 015813-020350
Facility Type: 01
Facility Status: Closed
Area: 2B
Permit Number: 000067351
Permit Status: Closed

Region: LA
Permit Category: Not reported
Facility Id: 015813-029839
Facility Type: Not reported
Facility Status: OPEN
Area: 2B
Permit Number: Not reported
Permit Status: Not reported

P65 **ADVANCE WASTE SYSTEM, INC.** **CA SWF/LF** **S111075747**
North **1916 W. 169TH** **N/A**
1/4-1/2 **GARDENA, CA 90247**
0.346 mi.
1825 ft. **Site 2 of 3 in cluster P**

Relative:
Lower

Actual:
38 ft.

LOS ANGELES CO. LF:
Site ID: 341
Alt. Address: Not reported
Site Contact: Not reported
Site Contact Phone: (310) 322-4614
Site Email: no email address
Site Website: Not reported

ADVANCE WASTE SYSTEM, INC. (Continued) **S111075747**

Site Type:	Waste Hauler
Site SWIS Number:	19-AS-0511
Beginning Operation Date:	Not reported
Ending Operation Date:	Not reported
Local Enforcement Agency:	Not reported
Maximun Depth Fill(Ft):	Not reported
Permitted Capacity:	Not reported
Present Use:	Not reported
Remaining Capacity(Million):	Not reported
Status:	Active
Waste Accepted:	Not reported
Hours of Operation:	Not reported
Disposal Area (Acre):	Not reported

Detail As Of 01/2014:

Operator Name:	Advance Waste System Inc.
Operator Address:	1916 W. 169th
Operator City/State/Zip:	Gardena, CA 90247
Operator Contact:	Leslie Benner
Operator Telephone:	(310) 322-4614
Operator Email:	no email
Owner Name:	Unknown
Owner Address:	Not reported
Owner City/State/Zip:	Not reported
Owner Contact:	Not reported
Owner Telephone:	Not reported
Owner Email:	Not reported

66
SE
1/4-1/2
0.347 mi.
1832 ft.

MECHANICAL METAL FINISHING **SEMS-ARCHIVE** **1003878780**
17804 S WESTERN AVE **CAD980889125**
GARDENA, CA 90248

Relative:
Higher

Actual:
46 ft.

SEMS Archive:

Site ID:	0902208
EPA ID:	CAD980889125
Cong District:	31
FIPS Code:	06037
FF:	N
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information
Latitude:	33.873333
Longitude:	-118.276667

SEMS Archive Detail:

Region:	09
Site ID:	0902208
EPA ID:	CAD980889125
Site Name:	MECHANICAL METAL FINISHING
NPL:	N
FF:	N
OU:	00
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	1987-11-01 05:00:00
Qual:	Not reported

MECHANICAL METAL FINISHING (Continued) **1003878780**

Current Action Lead:	EPA Perf In-Hse
Region:	09
Site ID:	0902208
EPA ID:	CAD980889125
Site Name:	MECHANICAL METAL FINISHING
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	1985-08-01 05:00:00
Finish Date:	1987-11-01 05:00:00
Qual:	N
Current Action Lead:	St Perf
Region:	09
Site ID:	0902208
EPA ID:	CAD980889125
Site Name:	MECHANICAL METAL FINISHING
NPL:	N
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1985-09-01 05:00:00
Finish Date:	1985-09-01 05:00:00
Qual:	Not reported
Current Action Lead:	St Perf

P67 **JJK ROLL OFF** **CA SWF/LF** **S117719314**
North **1914 169TH ST.** **N/A**
1/4-1/2 **GARDENA, CA 90247**
0.349 mi.
1842 ft. **Site 3 of 3 in cluster P**

Relative: LOS ANGELES CO. LF:
Lower

Site ID:	320
Alt. Address:	Not reported
Site Contact:	Not reported
Site Contact Phone:	(800) 455-5765
Site Email:	jjkscm@att.net
Site Website:	www.jjkrolloff.net
Site Type:	Waste Hauler
Site SWIS Number:	19-AS-0592
Beginning Operation Date:	Not reported
Ending Operation Date:	Not reported
Local Enforcement Agency:	Not reported
Maximun Depth Fill(Ft):	Not reported
Permitted Capacity:	Not reported
Present Use:	Not reported
Remaining Capacity(Million):	Not reported
Status:	Closed
Waste Accepted:	Not reported
Hours of Operation:	Not reported

Actual:
38 ft.

JJK ROLL OFF (Continued) **S117719314**

Disposal Area (Acre): Not reported

Detail As Of 01/2014:
Operator Name: JJK Roll Off
Operator Address: 1617 W. Sepulveda BLVD. #3
Operator City/State/Zip: Torrance, CA 90501-5169
Operator Contact: Vern Sweeney
Operator Telephone: (310) 539-2382
Operator Email: jjkscm@att.net
Owner Name: Unknown
Owner Address: Not reported
Owner City/State/Zip: Not reported
Owner Contact: Not reported
Owner Telephone: Not reported
Owner Email: Not reported

---

68 **IRI DOVER** **CA ENVIROSTOR** **S110493946**
North **1859 W. 169 STREET** **N/A**
1/4-1/2 **GARDENA, CA 90247**
0.374 mi.
1977 ft.

Relative: **Lower**
Actual: **38 ft.**

ENVIROSTOR:
Facility ID: 71002924
Status: Refer: Other Agency
Status Date: Not reported
Site Code: Not reported
Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Chatsworth
Assembly: 66
Senate: 35
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.87881
Longitude: -118.3113
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD981695661
Alias Type: EPA Identification Number
Alias Name: 110002755901
Alias Type: EPA (FRS #)
Alias Name: 71002924
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported

IRI DOVER (Continued) **S110493946**

Completed Document Type:	Not reported
Completed Date:	Not reported
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

Q69 **LUSEAUX LABORATORIES** **CA ENVIROSTOR** **S105023880**
North **16816 SOUTH GRAMERCY PLACE** **CA HIST CORTESE** **N/A**
1/4-1/2 **GARDENA, CA 90247**
0.402 mi.
2125 ft. **Site 1 of 2 in cluster Q**

Relative: **Higher**
Actual: **42 ft.**

ENVIROSTOR:

Facility ID:	19280298
Status:	Refer: Other Agency
Status Date:	06/08/1995
Site Code:	Not reported
Site Type:	Historical
Site Type Detailed:	* Historical
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	* Mmonroy
Division Branch:	Cleanup Chatsworth
Assembly:	66
Senate:	35
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.87885
Longitude:	-118.3130
APN:	4094003014
Past Use:	NONE SPECIFIED
Potential COC:	* DETERGENT & SOAP * UNSPECIFIED ALKALINE SOLUTIONS * UNSPECIFIED AQUEOUS SOLUTION * UNSPECIFIED OIL CONTAINING WASTE * UNSPECIFIED SLUDGE WASTE * OFF-SPECIFICATION, AGED, OR SURPLUS INORGANICS
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	4094003014
Alias Type:	APN
Alias Name:	CAD981447543
Alias Type:	CERCLIS ID
Alias Name:	CAX000076182
Alias Type:	EPA Identification Number
Alias Name:	19280298
Alias Type:	Envirostor ID Number

LUSEAUX LABORATORIES (Continued) **S105023880**

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	11/07/1988
Comments:	SITE SCREENING DONE FURTHER INVESTIGATION BY DHS DUE TO SOIL CONTAMINATION

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	01/27/1988
Comments:	SITE SCREENING DONE REASSESSMENT OF PA COMPLETED BY E&E RECOMMENDS NFA UNDER CERCLA BASED ON INSUFFICIENT SCORE ON HRS FOR NPL ACTION

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	03/10/1987
Comments:	SITE SCREENING DONE CERCLIS SITE

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	* Discovery
Completed Date:	03/25/1980
Comments:	FACILITY IDENTIFIED IW SURVEY QUESTIONNAIRE 12580 QUESTIONNAIRE RECEIVED

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

HIST CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	CALSI
Reg Id:	19280298

Q70 **LUSEAUX LABS** **SEMS-ARCHIVE 1000200367**
North **16816 S GRAMERCY PL** **RCRA-SQG CAD981447543**
1/4-1/2 **GARDENA, CA 90247** **CA HAZNET**
0.402 mi.
2125 ft. **Site 2 of 2 in cluster Q**

Relative:
Higher

Actual:
42 ft.

SEMS Archive:

Site ID:	0902445
EPA ID:	CAD981447543
Cong District:	31
FIPS Code:	06037
FF:	N
NPL:	Not on the NPL

LUSEAUX LABS (Continued) **1000200367**

Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information
Latitude: 33.891667
Longitude: -118.301667

SEMS Archive Detail:

Region: 09
Site ID: 0902445
EPA ID: CAD981447543
Site Name: LUSEAUX LABS
NPL: N
FF: N
OU: 00
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1988-04-01 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 09
Site ID: 0902445
EPA ID: CAD981447543
Site Name: LUSEAUX LABS
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: Not reported
Finish Date: 1988-04-01 05:00:00
Qual: N
Current Action Lead: St Perf

Region: 09
Site ID: 0902445
EPA ID: CAD981447543
Site Name: LUSEAUX LABS
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1986-09-01 04:00:00
Finish Date: 1986-09-01 04:00:00
Qual: Not reported
Current Action Lead: St Perf

Region: 09
Site ID: 0902445
EPA ID: CAD981447543
Site Name: LUSEAUX LABS
NPL: N
FF: N
OU: 00
Action Code: PA

LUSEAUX LABS (Continued) **1000200367**

Action Name:	PA
SEQ:	2
Start Date:	1986-09-01 04:00:00
Finish Date:	1987-04-01 05:00:00
Qual:	H
Current Action Lead:	St Perf

RCRA-SQG:

Date form received by agency:	02/27/1986
Facility name:	LUSEAUX LABS, INC
Facility address:	16816 S GRAMERCY PL GARDENA, CA 90247
EPA ID:	CAD981447543
Contact:	ENVIRONMENTAL MANAGER
Contact address:	16816 S GRAMERCY PL GARDENA, CA 90247
Contact country:	US
Contact telephone:	213-321-0562
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	LUSEAUX LABS, INC
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

LUSEAUX LABS (Continued) **1000200367**

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

HAZNET:
Facility Name: LUSEAUX LABS, INC
envid: 1000200367
Year: 2003
GEPAID: CAD981447543
Contact: KATHLEEN D KALOHI
Telephone: 3103241555
Mailing Name: Not reported
Mailing Address: 16816 S GRAMERCY PL
Mailing City,St,Zip: GARDENA, CA 902470000
Gen County: Not reported
TSD EPA ID: CAT080033681
TSD County: Not reported
Waste Category: Unspecified oil-containing waste
Disposal Method: Disposal, Land Fill
Tons: 0.12
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000200367
Year: 2003
GEPAID: CAD981447543
Contact: KATHLEEN D KALOHI
Telephone: 3103241555
Mailing Name: Not reported
Mailing Address: 16816 S GRAMERCY PL
Mailing City,St,Zip: GARDENA, CA 902470000
Gen County: Not reported
TSD EPA ID: WAD991281767
TSD County: Not reported
Waste Category: Laboratory waste chemicals
Disposal Method: Not reported
Tons: 0.01
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

LUSEAUX LABS (Continued) **1000200367**

envid: 1000200367
Year: 2003
GEPAID: CAD981447543
Contact: KATHLEEN D KALOHI
Telephone: 3103241555
Mailing Name: Not reported
Mailing Address: 16816 S GRAMERCY PL
Mailing City,St,Zip: GARDENA, CA 902470000
Gen County: Not reported
TSD EPA ID: CAT080033681
TSD County: Not reported
Waste Category: Laboratory waste chemicals
Disposal Method: Disposal, Land Fill
Tons: 0
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000200367
Year: 2003
GEPAID: CAD981447543
Contact: KATHLEEN D KALOHI
Telephone: 3103241555
Mailing Name: Not reported
Mailing Address: 16816 S GRAMERCY PL
Mailing City,St,Zip: GARDENA, CA 902470000
Gen County: Not reported
TSD EPA ID: CAD008364432
TSD County: Not reported
Waste Category: Laboratory waste chemicals
Disposal Method: Transfer Station
Tons: 0.01
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000200367
Year: 1998
GEPAID: CAD981447543
Contact: Not reported
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 16816 GRAMERCY PL # S
Mailing City,St,Zip: GARDENA, CA 902470000
Gen County: Not reported
TSD EPA ID: CAD000088252
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Transfer Station
Tons: .1251
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

Click this hyperlink while viewing on your computer to access
2 additional CA_HAZNET: record(s) in the EDR Site Report.

71
North
1/4-1/2
0.449 mi.
2373 ft.

CRENSHAW LUMBER CO
1860 W 166TH ST
GARDENA, CA 90247

CA LUST **U001563054**
CA UST **N/A**
CA HIST UST
CA HIST CORTESE
CA LOS ANGELES CO. HMS

Relative:
Higher

Actual:
41 ft.

LUST:

Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603703778
Global Id:	T0603703778
Latitude:	33.879824
Longitude:	-118.31143
Status:	Completed - Case Closed
Status Date:	05/02/1997
Case Worker:	YR
RB Case Number:	I-11308
Local Agency:	LOS ANGELES COUNTY
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0603703778
Contact Type:	Local Agency Caseworker
Contact Name:	JOHN AWUJO
Organization Name:	LOS ANGELES COUNTY
Address:	900 S FREMONT AVE
City:	ALHAMBRA
Email:	jawujo@dpw.lacounty.gov
Phone Number:	6264583507

Global Id:	T0603703778
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0603703778
Action Type:	Other
Date:	08/15/1991
Action:	Leak Reported

Global Id:	T0603703778
Action Type:	Other
Date:	02/12/1991
Action:	Leak Discovery

Global Id:	T0603703778
Action Type:	Other
Date:	02/12/1991
Action:	Leak Stopped

CRENSHAW LUMBER CO (Continued) **U001563054**

LUST:

Global Id:	T0603703778
Status:	Completed - Case Closed
Status Date:	05/02/1997
Global Id:	T0603703778
Status:	Open - Case Begin Date
Status Date:	02/12/1991
Global Id:	T0603703778
Status:	Open - Site Assessment
Status Date:	08/15/1991

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	I-11308	
Status:	Case Closed	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603703778	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19000	
Cross Street:	WESTERN	
Enforcement Type:	Not reported	
Date Leak Discovered:	2/12/1991	
Date Leak First Reported:		8/15/1991
Date Leak Record Entered:	8/24/1991	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	2/12/1991	
Date Case Last Changed on Database:		5/9/1993
Date the Case was Closed:		5/2/1997
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	POTTRATZ, JAMES	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		2148.72876275999284821033726 77
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		8/15/1991
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported

CRENSHAW LUMBER CO (Continued) **U001563054**

Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: CRENSHAW LUMBER COMPANY
RP Address: P.O. BOX 2436, GARDENA CA 90247-0436
Program: LUST
Lat/Long: 33.8799816 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: 2 USTS @ 1000 GAL (GAS) REMOVED 6/87. 1IST @10,000 (GAS) & 1 UST @8,000 (DIESEL) REMOVED 11/90. 1 @ 14,000 ACTIVE.

UST:
Facility ID: 11308
Permitting Agency: LOS ANGELES, CITY OF
Latitude: 33.8811121
Longitude: -118.310111

HIST UST:
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000005407
Facility Type: Other
Other Type: LBR YARD
Contact Name: JIM POTTRATZ
Telephone: 2133211850
Owner Name: CRENSHAW LBR CO
Owner Address: 1860 W 166 ST
Owner City,St,Zip: GARDENA, CA 90247
Total Tanks: 0004

Tank Num: 001
Container Num: I
Year Installed: Not reported
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 002
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: None

CRENSHAW LUMBER CO (Continued) **U001563054**

Tank Num:	003
Container Num:	3
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	None

Tank Num:	004
Container Num:	4
Year Installed:	Not reported
Tank Capacity:	00008000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	None

HIST CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	I-11308

LOS ANGELES CO. HMS:

Region:	LA
Permit Category:	T
Facility Id:	011285-011308
Facility Type:	0
Facility Status:	Removed
Area:	2B
Permit Number:	00002841T
Permit Status:	Removed

72
West
1/4-1/2
0.454 mi.
2398 ft.

HIGGINS BRICK & TILE COMPANY-W **CA WMUDS/SWAT** **S100839297**
S OF ARTESIA BTW CASMIR & VANN **N/A**
TORRANCE, CA

Relative:
Higher

Actual:
52 ft.

WMUDS/SWAT:

Edit Date:	Not reported
Complexity:	Not reported
Primary Waste:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Base Meridian:	Not reported
NPID:	Not reported
Tonnage:	0
Regional Board ID:	Not reported
Municipal Solid Waste:	False
Superorder:	False
Open To Public:	False
Waste List:	False
Agency Type:	Not reported
Agency Name:	HIGGINS BRICK & TILE COMPANY

HIGGINS BRICK & TILE COMPANY-W (Continued) **S100839297**

Agency Department:	Not reported
Agency Address:	Not reported
Agency City,St,Zip:	Not reported
Agency Contact:	Not reported
Agency Telephone:	Not reported
Land Owner Name:	Not reported
Land Owner Address:	Not reported
Land Owner City,St,Zip:	CA
Land Owner Contact:	Not reported
Land Owner Phone:	Not reported
Region:	4
Facility Type:	Not reported
Facility Description:	Not reported
Facility Telephone:	Not reported
SWAT Facility Name:	Not reported
Primary SIC:	Not reported
Secondary SIC:	Not reported
Comments:	Not reported
Last Facility Editors:	Not reported
Waste Discharge System:	False
Solid Waste Assessment Test Program:	True
Toxic Pits Cleanup Act Program:	False
Resource Conservation Recovery Act:	False
Department of Defence:	False
Solid Waste Assessment Test Program:	HIGGINS BRICK & TILE COMPANY
Threat to Water Quality:	Not reported
Sub Chapter 15:	False
Regional Board Project Officer:	LT
Number of WMUDS at Facility:	1
Section Range:	03S14W36
RCRA Facility:	Not reported
Waste Discharge Requirements:	Not reported
Self-Monitoring Rept. Frequency:	Not reported
Waste Discharge System ID:	4 190240NUR
Solid Waste Information ID:	Not reported

---

73 **HARA HEALTH INDUSTRIES** **CA LUST** **S101296229**
NNE **16710 WESTERN AVE S** **CA HIST CORTESE** **N/A**
1/4-1/2 **GARDENA, CA 90247**
0.466 mi.
2462 ft.

Relative: LUST:
Higher

Actual:
40 ft.

Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603703958
Global Id:	T0603703958
Latitude:	33.8794896
Longitude:	-118.3089406
Status:	Completed - Case Closed
Status Date:	01/12/2005
Case Worker:	MB
RB Case Number:	I-12324
Local Agency:	LOS ANGELES COUNTY
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline

HARA HEALTH INDUSTRIES (Continued) **S101296229**

Site History: Not reported

LUST:
Global Id: T0603703958
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

Global Id: T0603703958
Contact Type: Regional Board Caseworker
Contact Name: MAGDY BAIADY
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: LOS ANGELES
Email: mbaiady@waterboards.ca.gov
Phone Number: 2135766699

LUST:
Global Id: T0603703958
Action Type: Other
Date: 08/12/1992
Action: Leak Reported

Global Id: T0603703958
Action Type: ENFORCEMENT
Date: 07/11/2002
Action: Staff Letter

Global Id: T0603703958
Action Type: ENFORCEMENT
Date: 08/10/2004
Action: Staff Letter

Global Id: T0603703958
Action Type: ENFORCEMENT
Date: 01/12/2005
Action: Closure/No Further Action Letter

Global Id: T0603703958
Action Type: ENFORCEMENT
Date: 12/30/2004
Action: Site Visit / Inspection / Sampling

Global Id: T0603703958
Action Type: RESPONSE
Date: 01/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603703958
Action Type: Other
Date: 10/07/1986
Action: Leak Discovery

HARA HEALTH INDUSTRIES (Continued) **S101296229**

Global Id: T0603703958
Action Type: RESPONSE
Date: 08/15/2002
Action: Other Report / Document

Global Id: T0603703958
Action Type: RESPONSE
Date: 10/09/2002
Action: Monitoring Report - Quarterly

Global Id: T0603703958
Action Type: RESPONSE
Date: 04/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603703958
Action Type: RESPONSE
Date: 10/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603703958
Action Type: RESPONSE
Date: 10/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603703958
Action Type: RESPONSE
Date: 10/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603703958
Action Type: RESPONSE
Date: 07/15/2003
Action: Interim Remedial Action Plan

Global Id: T0603703958
Action Type: RESPONSE
Date: 10/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603703958
Action Type: RESPONSE
Date: 07/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603703958
Action Type: RESPONSE
Date: 04/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603703958
Action Type: ENFORCEMENT
Date: 02/24/2003
Action: 13267 Requirement

Global Id: T0603703958
Action Type: RESPONSE

HARA HEALTH INDUSTRIES (Continued) **S101296229**

Date: 07/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603703958
Action Type: ENFORCEMENT
Date: 05/16/2002
Action: Site Visit / Inspection / Sampling

LUST:
Global Id: T0603703958
Status: Completed - Case Closed
Status Date: 01/12/2005

Global Id: T0603703958
Status: Open - Case Begin Date
Status Date: 10/07/1986

Global Id: T0603703958
Status: Open - Site Assessment
Status Date: 08/12/1992

Global Id: T0603703958
Status: Open - Site Assessment
Status Date: 09/27/2000

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: I-12324
Status: Pollution Characterization
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603703958
W Global ID: Not reported
Staff: MB
Local Agency: 19000
Cross Street: 168TH ST
Enforcement Type: DLLET
Date Leak Discovered: 10/7/1986
Date Leak First Reported: 8/12/1992
Date Leak Record Entered: 8/20/1992
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 6/25/2002
Date the Case was Closed: Not reported
How Leak Discovered: Tank Closure
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: Tank
Operator: Not reported
Water System: Not reported

HARA HEALTH INDUSTRIES (Continued) **S101296229**

Well Name: Not reported
Approx. Dist To Production Well (ft): 2673.5414920610270415600535284
Source of Cleanup Funding: Tank
Preliminary Site Assessment Workplan Submitted: 8/12/1992
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 9/27/2000
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: 5/1/1998
Hist Max MTBE Conc in Groundwater: 50
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: SHIGERU
RP Address: 16012 S WESTERN AVE, #303
Program: LUST
Lat/Long: 33.8794896 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: 06/08/98 - QTRLY MON & MON WELL INSTALLATION; 2/29/00 QTRLY MONITORING; 10/31/00 GW MONITORING; 1/17/01 QTRLY GW MON RPT

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: I-12324

74
SSE
1/2-1
0.539 mi.
2844 ft.

FRANCISCO'S CLEANERS
1830 W 182ND ST
TORRANCE, CA 90504

CA ENVIROSTOR **1000308456**
CA DRYCLEANERS **N/A**
CA EMI
LA Co. Site Mitigation

Relative: Higher

Actual: 54 ft.

ENVIROSTOR:
Facility ID: 70000171
Status: Refer: 1248 Local Agency
Status Date: 07/24/2002
Site Code: Not reported
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: Not reported
NPL: NO
Regulatory Agencies: LA CNTY FIRE DEPT. (BILLING AND UST), LOS ANGELES COUNTY
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: * Greg Holmes
Division Branch: Cleanup Cypress

FRANCISCO'S CLEANERS (Continued) **1000308456**

Assembly: 53
Senate: Not reported
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not Applicable
Latitude: 33.86552
Longitude: -118.3101
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 70000171
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
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

DRYCLEANERS:
EPA Id: CAL000171158
NAICS Code: 81232
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
SIC Code: 7211
SIC Description: Power Laundries, Family and Commercial
Create Date: 09/13/1999
Facility Active: No
Inactive Date: 06/30/2008
Facility Addr2: Not reported
Owner Name: KIYONG KIM
Owner Address: 1830 W 182ND ST
Owner Address 2: Not reported
Owner Telephone: 3105184208
Contact Name: KIYONG KIM-OWNER
Contact Address: 1830 W 182ND ST
Contact Address 2: Not reported
Contact Telephone: 3105184208
Mailing Name: Not reported
Mailing Address 1: 1830 W 182ND ST
Mailing Address 2: Not reported
Mailing City: TORRANCE
Mailing State: CA
Mailing Zip: 905040000

FRANCISCO'S CLEANERS (Continued) **1000308456**

Owner Fax: Not reported
Region Code: 3

EMI:

Year:	1987
County Code:	19
Air Basin:	SC
Facility ID:	17702
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

Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	17702
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

LA Co. Site Mitigation:

Facility ID:	FA0001074
Status:	Not reported
Site ID:	SD0000006
Jurisdiction:	Not reported
Case ID:	RO0000006
Abated:	Yes
Assigned To:	Kim Clark
Entered Date:	Not reported
Abated Date:	11/03/2003

R75 **ROADEX CY INC** **SEMS-ARCHIVE** **1000162158**
ESE **1515 W 178TH ST** **RCRA-CESQG** **CAD008388506**
1/2-1 **GARDENA, CA 90248** **CA ENVIROSTOR**
0.558 mi. **FINDS**
2945 ft. **Site 1 of 2 in cluster R** **ECHO**

Relative:
Lower

Actual:
35 ft.

SEMS Archive:

Site ID:	0901102
EPA ID:	CAD008388506
Cong District:	31
FIPS Code:	06037
FF:	N
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information
Latitude:	33.873333
Longitude:	-118.276667

SEMS Archive Detail:

Region:	09
Site ID:	0901102
EPA ID:	CAD008388506
Site Name:	GLOBE ILLUMINATION CO
NPL:	N
FF:	N
OU:	00
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	1985-12-01 06:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	09
Site ID:	0901102
EPA ID:	CAD008388506
Site Name:	GLOBE ILLUMINATION CO
NPL:	N
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1985-09-01 05:00:00
Finish Date:	1985-09-01 05:00:00
Qual:	Not reported
Current Action Lead:	St Perf

Region:	09
Site ID:	0901102
EPA ID:	CAD008388506
Site Name:	GLOBE ILLUMINATION CO
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	1985-07-01 05:00:00
Finish Date:	1985-12-01 06:00:00

ROADEX CY INC (Continued) **1000162158**

Qual: N
Current Action Lead: St Perf

RCRA-CESQG:
Date form received by agency: 11/15/2013
Facility name: ROADEX CY INC
Facility address: 1515 W 178TH ST
GARDENA, CA 90248
EPA ID: CAD008388506
Contact: JOHNNY KWAN
Contact address: 1515 W 178TH ST
GARDENA, CA 90248
Contact country: US
Contact telephone: 310-878-9800
Telephone ext.: 1301
Contact email: JOHNNY.KWAN@ROADEXAMERICA.COM
EPA Region: 09
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:
Owner/operator name: ROADEX AMERICA INC
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 04/15/2005
Owner/Op end date: Not reported

Owner/operator name: ROADEX AMERICA INC
Owner/operator address: 1515 W 178TH ST
GARDENA, CA 90248
Owner/operator country: US
Owner/operator telephone: 310-878-9800
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported

ROADEX CY INC (Continued) **1000162158**

Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 04/15/2005
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: 221
. Waste name: Waste oil and mixed oil

. Waste code: F037
. Waste name: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE-ANY SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE, BUT ARE NOT LIMITED TO, THOSE GENERATED IN: OIL/WATER/SOLIDS SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORMWATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGE GENERATED IN STORMWATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED FROM NON-CONTACT ONCE-THROUGH COOLING WATERS SEGREGATED FOR TREATMENT FROM OTHER PROCESS OR OILY COOLING WATERS, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS) AND K051 WASTES ARE NOT INCLUDED IN THIS LISTING.

. Waste code: F038
. Waste name: PETROLEUM REFINERY SECONDARY (EMULSIFIED) OIL/WATER/SOLIDS SEPARATION SLUDGE-ANY SLUDGE AND/OR FLOAT GENERATED FROM THE PHYSICAL AND/OR CHEMICAL SEPARATION OF OIL/WATER/SOLIDS IN PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH WASTES INCLUDE, BUT ARE NOT LIMITED TO, ALL SLUDGES AND FLOATS GENERATED IN: INDUCED AIR FLOTATION (IAF) UNITS, TANKS AND IMPOUNDMENTS, AND ALL SLUDGES GENERATED IN DAF UNITS. SLUDGES GENERATED IN STORMWATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED FROM NON-CONTACT ONCE-THROUGH COOLING WATERS SEGREGATED FOR TREATMENT FROM OTHER PROCESS OR OILY COOLING WATERS, SLUDGES AND FLOATS GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES AND FLOATS GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS) AND F037, K048, AND K051 WASTES ARE NOT

ROADEX CY INC (Continued) **1000162158**

INCLUDED IN THIS LISTING.

Historical Generators:
Date form received by agency: 09/01/1996
Site name: GLOBE ILLUMINATION COMPANY
Classification: Small Quantity Generator

Date form received by agency: 03/05/1982
Site name: GLOBE ILLUMINATION CO
Classification: Small Quantity Generator

Violation Status: No violations found

ENVIROSTOR:
Facility ID: 19360136
Status: Refer: Other Agency
Status Date: 06/01/1985
Site Code: Not reported
Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: * Mmonroy
Division Branch: Cleanup Cypress
Assembly: 66
Senate: 35
Special Program: * Site Char & Assess Grant (CERCLA 104)
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.86989
Longitude: -118.3037
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: * DETERGENT & SOAP * ACID SOLUTION WITHOUT METALS * Sludge - Paint * UNSPECIFIED ACID SOLUTION * UNSPECIFIED ALKALINE SOLUTIONS * PHOSPHATE SLUDGE
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD008388506
Alias Type: EPA Identification Number
Alias Name: 110002633972
Alias Type: EPA (FRS #)
Alias Name: 19360136
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 10/28/1994
Comments: DATABASE VERIFICATION PROJECT CONFIRMS NFA FOR DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

ROADEX CY INC (Continued) **1000162158**

Completed Document Type:	Preliminary Assessment Report
Completed Date:	06/01/1985
Comments:	UNITED PUMP & SERVICE HAULS TANK EVERY 3 TO 6MONTHS & REPLACE. ASP SURVEY 2/83 - 1)SOURCE ACT: MFG OF LIGHTING FIXTURE. 2)YR OF OPER: 1961 TO PRESENT. INCIDENT: SMALL PLANT FIRE MANY YRS AGO. SUBMIT TO EPA PRELIM ASSESS DONE CERCLA 104
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	04/24/2018
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	* Discovery
Completed Date:	10/21/1982
Comments:	FACILITY IDENTIFIED L.A. CHAM OF COMM BUS DIR 1966 MFG LIGHTING FIXTURES
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

FINDS:

Registry ID: 110002633972

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000162158
Registry ID:	110002633972
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002633972

R76
ESE
1/2-1
0.558 mi.
2945 ft.

VACANT
1515 W 178TH ST
GARDENA, CA 90248

Site 2 of 2 in cluster R

CA ENVIROSTOR **U003061190**
CA LOS ANGELES CO. HMS **N/A**

Relative:
Lower

Actual:
35 ft.

ENVIROSTOR:

Facility ID:	19250031
Status:	Refer: 1248 Local Agency
Status Date:	02/03/2005
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Referred - Not Assigned
Division Branch:	Cleanup Cypress
Assembly:	66
Senate:	35
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not Applicable
Latitude:	33.86989
Longitude:	-118.3037
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	19250031
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	Not reported
Completed Sub Area Name:	Not reported
Completed Document Type:	Not reported
Completed Date:	Not reported
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

LOS ANGELES CO. HMS:

Region:	LA
Permit Category:	Not reported
Facility Id:	005085-I05277
Facility Type:	Not reported
Facility Status:	OPEN

VACANT (Continued) **U003061190**

Area: 2B
Permit Number: Not reported
Permit Status: Not reported

77
NE
1/2-1
0.629 mi.
3320 ft.

BUTLER MANUFACTURING **CA ENVIROSTOR** **1000290408**
1600 WEST 166TH STREET **N/A**
GARDENA, CA 90248

Relative:
Higher

Actual:
40 ft.

ENVIROSTOR:

Facility ID:	19350396
Status:	Refer: Other Agency
Status Date:	11/07/1994
Site Code:	Not reported
Site Type:	Historical
Site Type Detailed:	* Historical
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	* Mmonroy
Division Branch:	Cleanup Cypress
Assembly:	66
Senate:	35
Special Program:	* Site Char & Assess Grant (CERCLA 104)
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.87982
Longitude:	-118.3050
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	* DETERGENT & SOAP * UNSPECIFIED SOLVENT MIXTURES * WASTE OIL & MIXED OIL
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	AVALON STAPLE MFG CO INC, (FORMER)
Alias Type:	Alternate Name
Alias Name:	MR WEST & MR ASTLE
Alias Type:	Alternate Name
Alias Name:	CAD980885073
Alias Type:	EPA Identification Number
Alias Name:	19350396
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	11/07/1994
Comments:	DATABASE VALIDATION PROJECT CONFIRMS NFA FOR DTSC.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Assessment Report
Completed Date:	04/01/1985

BUTLER MANUFACTURING (Continued) **1000290408**

Comments:	T/C W/ J.BULTER,BULTER MFG,323-3114,11/6 1)SOURCE ACT: MFG AIRCRAFT PARTS 2)FAC TYPE: 1 55GALDRUM. HAULED EVERY 2 MONTHS BY JIMMY'S OIL SERVICES. AVALON PUMPED RESIDUE WATER INTO A SINK DISCH TO SEWER. APPROX.40G/D. IW PERMIT. SOURCE ACT: CO ENGR 1/24/69 - STAPLE MFG SUBMIT TO EPA PRELIM ASSESS DONE CERCLA 104
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	* Discovery
Completed Date:	02/24/1983
Comments:	FACILITY IDENTIFIED L.A. CHAM OF COMM BUS DIR 1969-70 Business at this time is Avalon Staple Mfg.
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

78
East
1/2-1
0.655 mi.
3460 ft.

GARDENA SUMPS
1450 WEST ARTESIA BOULEVARD (AT NORMANDIE)
GARDENA, CA 90247

CA RESPONSE **S118466263**
CA ENVIROSTOR **N/A**
CA LIENS
CA Cortese

Relative:
Lower

Actual:
24 ft.

RESPONSE:

Facility ID:	19490135
Site Type:	State Response
Site Type Detail:	State Response or NPL
Acres:	5.6
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Nicholas Ta
Supervisor:	Patrick Hsieh
Division Branch:	Cleanup Cypress
Site Code:	401218
Site Mgmt. Req.:	NONE SPECIFIED
Assembly:	66
Senate:	35
Special Program Status:	Not reported
Status:	Active
Status Date:	09/25/1995
Restricted Use:	NO
Funding:	Responsible Party
Latitude:	33.87235
Longitude:	-118.3002
APN:	6106036034
Past Use:	HAZARDOUS WASTE HAULER
Potential COC :	* CONTAMINATED SOIL * UNSPECIFIED ACID SOLUTION * UNSPECIFIED SLUDGE WASTE * UNSPECIFIED ORGANIC LIQUID MIXTURE
Confirmed COC:	NONE SPECIFIED
Potential Description:	SOIL
Alias Name:	6106036034

GARDENA SUMPS (Continued) **S118466263**

Alias Type: APN
Alias Name: CAD980637730
Alias Type: EPA Identification Number
Alias Name: 110033619653
Alias Type: EPA (FRS #)
Alias Name: P41016
Alias Type: PCode
Alias Name: 300067
Alias Type: Project Code (Site Code)
Alias Name: 301801
Alias Type: Project Code (Site Code)
Alias Name: 400067
Alias Type: Project Code (Site Code)
Alias Name: 401218
Alias Type: Project Code (Site Code)
Alias Name: 19490135
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 06/22/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 10/15/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 12/27/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/15/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consultative Service Agreement
Completed Date: 02/20/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/13/2009
Comments: Letter mailed on October 13, 2009.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate

GARDENA SUMPS (Continued) **S118466263**

Completed Date: 11/01/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/02/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/01/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/12/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/10/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/10/2018
Comments: Report reviewed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/10/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/28/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/24/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/26/2018
Comments: Not reported

GARDENA SUMPS (Continued) **S118466263**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/26/2010
Comments: Letter sent out on October 26, 2010.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 10/16/1997
Comments: Recommended further site assessment under State lead with a medium priority. Report was dated October 16, 1997.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 08/09/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/07/2008
Comments: On March 20, 2008, DTSC met with the representative from Atlantic Richfield Company (ARC), a subsidiary of British Petroleum, to discuss questions that he had on DTSC's comments on both the draft RI report and the 3rd quarter groundwater monitoring report. DTSC was unable to answer all of his questions during the meeting. It was decided that ARC would not submit a new Report, but would incorporate the comments into the next quarterly report. On March 25, 2008, ARC confirmed this in a letter to DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 11/21/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/13/2008
Comments: DTSC had no comments on this report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/13/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/13/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE

GARDENA SUMPS (Continued) **S118466263**

Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 11/07/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 07/06/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 03/08/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/02/2009
Comments: DTSC had no comments to make on this report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/31/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/24/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/04/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/04/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/03/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/02/2009

GARDENA SUMPS (Continued) **S118466263**

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/04/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/02/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/27/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/27/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/17/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/23/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 07/19/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/20/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 08/11/2010
Comments: DTSC conditionally approved the workplan.

Completed Area Name: PROJECT WIDE

GARDENA SUMPS (Continued) **S118466263**

Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 06/30/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/06/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/23/2010
Comments: RP not asked to resubmit a new report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/08/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/18/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/23/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/28/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/01/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/02/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 07/10/2012

GARDENA SUMPS (Continued) **S118466263**

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Plan
Completed Date: 07/10/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/29/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/30/2012
Comments: Geologist memo dated this date.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/09/2012
Comments: Geologist wrote memo of comments.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/01/2012
Comments: Geologist wrote memo of comments.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/04/2013
Comments: Geologist wrote memo of comments.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/24/2013
Comments: No revision required by DTSC. RP simply requested to address comments in next groundwater sampling report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/29/2013
Comments: DTSC had no significant comments on this document.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/13/2013
Comments: Not reported

GARDENA SUMPS (Continued) **S118466263**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/03/2014
Comments: Document was approved on this date. No comments on document.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 07/17/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/03/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/29/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/08/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/12/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 06/14/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/18/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/20/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Plan

GARDENA SUMPS (Continued) **S118466263**

Completed Date: 11/18/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/19/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/06/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/10/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/03/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/23/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/15/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/25/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/11/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/29/2012
Comments: Not reported

GARDENA SUMPS (Continued) **S118466263**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 01/10/1981
Comments: Facility Identified: Tip received from former Gardena resident.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 12/02/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/06/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/15/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 12/18/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/09/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/09/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 03/15/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/31/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

GARDENA SUMPS (Continued) **S118466263**

Completed Date: 11/01/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/15/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/15/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/15/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/22/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/19/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/15/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/30/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 05/11/1993
Comments: Required for the temporary CAP Removal Action.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/20/2014
Comments: Not reported

GARDENA SUMPS (Continued) **S118466263**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Triage Meeting
Completed Date: 09/25/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)
Completed Date: 06/25/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Final Determination of Non-Compliance
Completed Date: 12/30/1988
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)
Completed Date: 07/30/1988
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)
Completed Date: 03/30/1988
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 06/21/2004
Comments: DTSC signed Consent Agreement with Atlantic Richfield Company (ARC), whereby ARC agreed to pay $800,000 of DTSC’s administrative costs and to perform an RI/FS on the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 05/28/1997
Comments: DTSC and Haack have signed a settlement with ONLY Haack and his Estate. Haack has agreed to place a concrete "cap" over the remaining areas of the most severe and publicly accessible con- tamination on his property. He has also agreed to remove additional seep materials should they migrate onto public rights of way after the cap is installed, up to 2 standard drums a year. Settlement money will be reduced by $2/sq. ft. for capping over 3000 sq. ft., subject to mutual measurements.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: PRP Identification Memorandum
Completed Date: 04/04/2017
Comments: Not reported

GARDENA SUMPS (Continued) **S118466263**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/24/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 06/22/1998
Comments: Removal completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 05/27/1998
Comments: Removal Action on Haack Property. Capping of PAH contaminated soil with 7400 sq ft of 6" steel reinforced concrete with a a vapor barrier.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 06/08/1995
Comments: The Department reviewed and approved the Health Risk Assessment prepared by Tetra Tech, Inc. for the Gardena Sumps site. Due to the lack of available funding for this site, the Feasibility Study will not be performed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 03/03/1994
Comments: Removal action completed. Exposed areas of hazardous substances contaminated with black oily sludge which was seeping to the surface of the Southern Pacific Line's (SPL) property was covered with a layer of clean fill dirt. In addition, a fence was in- stalled around this portion of the SPL property which borders the Gardena Sumps. The fence encloses approximately 12,000 square feet.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 08/11/1993
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 05/21/1993
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 06/15/1992
Comments: Not reported

GARDENA SUMPS (Continued) **S118466263**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 01/31/1992
Comments: FRIFS: Sump area.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 09/03/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 04/07/1987
Comments: Site Screening Done: Hazard ranked. Undergoing mitigation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 01/01/1986
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 07/06/2006
Comments: U.S. EPA approved the site screening assessment for this site on June 13, 2006.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 03/20/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/19/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Cost Recovery Settlements/Decrees
Completed Date: 12/06/2004
Comments: Atlantic Richfield Corporation (ARC) entered into a Consent Decree with DTSC in which ARC paid $800,000 as settlement of DTSC's past costs for the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Lien
Completed Date: 05/13/2004
Comments: Placed a lien of $1,838,588.03 on Thomas Cooper's property.

GARDENA SUMPS (Continued) **S118466263**

Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Feasibility Study Report
Future Due Date:	2019
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Public Participation Plan / Community Relations Plan
Future Due Date:	2022
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Remedial Action Plan
Future Due Date:	2022
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Remedial Action Completion Report
Future Due Date:	2024
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Operations and Maintenance Plan
Future Due Date:	2025
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Land Use Restriction
Future Due Date:	2026
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Certification
Future Due Date:	2026
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	CEQA - Initial Study/ Neg. Declaration
Future Due Date:	2022
Schedule Area Name:	PROJECT WIDE
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Feasibility Study Report
Schedule Due Date:	08/14/2014
Schedule Revised Date:	Not reported

ENVIROSTOR:

Facility ID:	19490135
Status:	Active
Status Date:	09/25/1995
Site Code:	401218
Site Type:	State Response
Site Type Detailed:	State Response or NPL
Acres:	5.6
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Nicholas Ta
Supervisor:	Patrick Hsieh
Division Branch:	Cleanup Cypress
Assembly:	66
Senate:	35
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED

GARDENA SUMPS (Continued) **S118466263**

Funding: Responsible Party
Latitude: 33.87235
Longitude: -118.3002
APN: 6106036034
Past Use: HAZARDOUS WASTE HAULER
Potential COC: * CONTAMINATED SOIL * UNSPECIFIED ACID SOLUTION * UNSPECIFIED SLUDGE WASTE * UNSPECIFIED ORGANIC LIQUID MIXTURE
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL
Alias Name: 6106036034
Alias Type: APN
Alias Name: CAD980637730
Alias Type: EPA Identification Number
Alias Name: 110033619653
Alias Type: EPA (FRS #)
Alias Name: P41016
Alias Type: PCode
Alias Name: 300067
Alias Type: Project Code (Site Code)
Alias Name: 301801
Alias Type: Project Code (Site Code)
Alias Name: 400067
Alias Type: Project Code (Site Code)
Alias Name: 401218
Alias Type: Project Code (Site Code)
Alias Name: 19490135
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 06/22/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 10/15/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 12/27/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/15/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consultative Service Agreement
Completed Date: 02/20/2018
Comments: Not reported

GARDENA SUMPS (Continued) **S118466263**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/13/2009
Comments: Letter mailed on October 13, 2009.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/01/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/02/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/01/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/12/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/10/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/10/2018
Comments: Report reviewed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/10/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/28/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

GARDENA SUMPS (Continued) **S118466263**

Completed Date: 01/24/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/26/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/26/2010
Comments: Letter sent out on October 26, 2010.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 10/16/1997
Comments: Recommended further site assessment under State lead with a medium priority. Report was dated October 16, 1997.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 08/09/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/07/2008
Comments: On March 20, 2008, DTSC met with the representative from Atlantic Richfield Company (ARC), a subsidiary of British Petroleum, to discuss questions that he had on DTSC's comments on both the draft RI report and the 3rd quarter groundwater monitoring report. DTSC was unable to answer all of his questions during the meeting. It was decided that ARC would not submit a new Report, but would incorporate the comments into the next quarterly report. On March 25, 2008, ARC confirmed this in a letter to DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 11/21/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/13/2008
Comments: DTSC had no comments on this report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/13/2008

GARDENA SUMPS (Continued) **S118466263**

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/13/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 11/07/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 07/06/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 03/08/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/02/2009
Comments: DTSC had no comments to make on this report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/31/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/24/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/04/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/04/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE

GARDENA SUMPS (Continued) **S118466263**

Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/03/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/02/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/04/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/02/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/27/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/27/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/17/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/23/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 07/19/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/20/2010

GARDENA SUMPS (Continued) **S118466263**

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 08/11/2010
Comments: DTSC conditionally approved the workplan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 06/30/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/06/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/23/2010
Comments: RP not asked to resubmit a new report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/08/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/18/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/23/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/28/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/01/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE

GARDENA SUMPS (Continued) **S118466263**

Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/02/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 07/10/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Plan
Completed Date: 07/10/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/29/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/30/2012
Comments: Geologist memo dated this date.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/09/2012
Comments: Geologist wrote memo of comments.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/01/2012
Comments: Geologist wrote memo of comments.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/04/2013
Comments: Geologist wrote memo of comments.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/24/2013
Comments: No revision required by DTSC. RP simply requested to address comments in next groundwater sampling report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

GARDENA SUMPS (Continued) **S118466263**

Completed Date: 07/29/2013
Comments: DTSC had no significant comments on this document.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/13/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/03/2014
Comments: Document was approved on this date. No comments on document.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 07/17/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/03/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/29/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/08/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/12/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 06/14/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/18/2014
Comments: Not reported

GARDENA SUMPS (Continued) **S118466263**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/20/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Plan
Completed Date: 11/18/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/19/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/06/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/10/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/03/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/23/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/15/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/25/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

GARDENA SUMPS (Continued) **S118466263**

Completed Date: 08/11/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/29/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 01/10/1981
Comments: Facility Identified: Tip received from former Gardena resident.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 12/02/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/06/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/15/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 12/18/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/09/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/09/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 03/15/2016
Comments: Not reported

GARDENA SUMPS (Continued) **S118466263**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/31/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/01/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/15/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/15/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/15/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/22/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/19/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/15/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/30/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration

GARDENA SUMPS (Continued) **S118466263**

Completed Date: 05/11/1993
Comments: Required for the temporary CAP Removal Action.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/20/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Triage Meeting
Completed Date: 09/25/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)
Completed Date: 06/25/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Final Determination of Non-Compliance
Completed Date: 12/30/1988
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)
Completed Date: 07/30/1988
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)
Completed Date: 03/30/1988
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 06/21/2004
Comments: DTSC signed Consent Agreement with Atlantic Richfield Company (ARC), whereby ARC agreed to pay $800,000 of DTSC's administrative costs and to perform an RI/FS on the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 05/28/1997
Comments: DTSC and Haack have signed a settlement with ONLY Haack and his Estate. Haack has agreed to place a concrete "cap" over the remaining areas of the most severe and publicly accessible con- tamination on his property. He has also agreed to remove additional seep materials should they migrate onto public rights of way after the cap is installed, up to 2 standard drums a year. Settlement money will be

GARDENA SUMPS (Continued) **S118466263**

reduced by $2/sq. ft. for capping over 3000 sq. ft., subject to mutual measurements.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: PRP Identification Memorandum
Completed Date: 04/04/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/24/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 06/22/1998
Comments: Removal completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 05/27/1998
Comments: Removal Action on Haack Property. Capping of PAH contaminated soil with 7400 sq ft of 6" steel reinforced concrete with a a vapor barrier.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 06/08/1995
Comments: The Department reviewed and approved the Health Risk Assessment prepared by Tetra Tech, Inc. for the Gardena Sumps site. Due to the lack of available funding for this site, the Feasibility Study will not be performed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 03/03/1994
Comments: Removal action completed. Exposed areas of hazardous substances contaminated with black oily sludge which was seeping to the surface of the Southern Pacific Line's (SPL) property was covered with a layer of clean fill dirt. In addition, a fence was in- stalled around this portion of the SPL property which borders the Gardena Sumps. The fence encloses approximately 12,000 square feet.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 08/11/1993
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

GARDENA SUMPS (Continued) **S118466263**

Completed Document Type: Removal Action Workplan
Completed Date: 05/21/1993
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 06/15/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 01/31/1992
Comments: FRIFS: Sump area.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 09/03/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 04/07/1987
Comments: Site Screening Done: Hazard ranked. Undergoing mitigation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 01/01/1986
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 07/06/2006
Comments: U.S. EPA approved the site screening assessment for this site on June 13, 2006.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 03/20/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/19/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Cost Recovery Settlements/Decrees
Completed Date: 12/06/2004

GARDENA SUMPS (Continued) **S118466263**

Comments: Atlantic Richfield Corporation (ARC) entered into a Consent Decree with DTSC in which ARC paid $800,000 as settlement of DTSC's past costs for the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Lien
Completed Date: 05/13/2004
Comments: Placed a lien of $1,838,588.03 on Thomas Cooper's property.

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Feasibility Study Report
Future Due Date: 2019
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Public Participation Plan / Community Relations Plan
Future Due Date: 2022
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Remedial Action Plan
Future Due Date: 2022
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Remedial Action Completion Report
Future Due Date: 2024
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Operations and Maintenance Plan
Future Due Date: 2025
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Land Use Restriction
Future Due Date: 2026
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Certification
Future Due Date: 2026
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: CEQA - Initial Study/ Neg. Declaration
Future Due Date: 2022
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Feasibility Study Report
Schedule Due Date: 08/14/2014
Schedule Revised Date: Not reported

LIENS:
Envirostor Id: 19490135
Latitude: 33.872353
Longitude: -118.30025
Project Mgr: PATRICK HSIEH
Project Code: 300067, 301801, 400067, 401218
If Satisfied: NO
Date Satisfied: Not reported
Site Status: ACTIVE

GARDENA SUMPS (Continued) **S118466263**

Site Type: STATE RESPONSE OR NPL
Completed: 05/13/2004
Lien Amount: $1,838,588.03
Amount Remaining: Not reported
APNS: 6106036034
Description: Historically, clay was excavated from this site for industrial purposes. In the 1930's, the excavations were used for the disposal of oily hazardous wastes. This disposal continued until the late 1950's. The wastes disposed of onsite included refinery wastes, tank bottom sludges, and rinse water acids. There are four sumps onsite, two of which are visible and the other two are buried. Hazardous substances found onsite include a wide variety of petroleum hydrocarbon wastes, base neutral acids, and some heavy metals generated from drilling and petroleum refining. Sludges are of a highly acidic nature. The estimated amount of waste on the site is 16,000 tons. The hydrocarbon wastes are highly acidic and present a potential health hazard through direct contact with the skin. Additionally wastes may emit gases containing volatile organic compounds, or other sulfur containing gases, presenting a potential inhalation hazard. In 1981, the Department collected grab samples from the visible sumps. The samples revealed the presence of heavy metals and a pH of less than two. In 1982, EPA's Technical Assistance (TAT) conducted a geological survey, sampled the sumps, and installed four offsite groundwater monitoring wells. This investigation confirmed the presence of benzene, toluene, ethyl benzene, trichloroethylene, and heavy metals in soils. DHS performed a preliminary assessment and site investigation in 1986, to evaluate site contamination. Based on the findings of this investigation, a Remedial Action Order was issued on March 3, 1988, to the two property owners where the sumps exist. An Imminent and/or Substantial Endangerment Determination was made by DHS in July 1988. Based on this determination, the landowners were required to fence and secure the site and remove materials seeping from the sumps to offsite areas. One of the landowners has complied. The other landowner secured and capped his portion of the site, but did not remove the hazardous waste from his property, nor did he reimburse DTSC for its costs. Atlantic Richfield Company has entered into a consent agreement with DTSC to remediate the site.

CORTESE:
Region: CORTESE
Envirostor Id: 19490135
Site/Facility Type: STATE RESPONSE
Cleanup Status: ACTIVE
Status Date: 09/25/1995
Site Code: 300067, 301801, 400067, 401218
Latitude: 33.872353
Longitude: -118.30025
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: envirostor
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported

GARDENA SUMPS (Continued) **S118466263**

Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Haz Waste & Substances Sites

79
ESE
1/2-1
0.675 mi.
3562 ft.

SONKEN-GALAMBA CORP
1439 WEST 178TH STREET
GARDENA, CA 90359

CA ENVIROSTOR **S120052845**
N/A

Relative:
Higher

Actual:
43 ft.

ENVIROSTOR:
Facility ID: 60002443
Status: No Action Required
Status Date: 08/08/2017
Site Code: 301779
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 0.5
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Gregory Shaffer
Supervisor: Eileen Mananian
Division Branch: Cleanup Cypress
Assembly: 66
Senate: 35
Special Program: EPA - PASI
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: EPA Grant
Latitude: 33.86922
Longitude: -118.3015
APN: NONE SPECIFIED
Past Use: FOUNDRY
Potential COC: Lead
Confirmed COC: 30013-NO
Potential Description: SOIL
Alias Name: 301779
Alias Type: Project Code (Site Code)
Alias Name: 60002443
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: PA/SI Site Screening
Completed Date: 06/30/2017
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

80
ESE
1/2-1
0.716 mi.
3780 ft.

ALADDIN PLASTICS INC
1415 WEST 178TH STREET
GARDENA, CA 90248

CA ENVIROSTOR **S103952778**
N/A

Relative:
Higher

Actual:
43 ft.

ENVIROSTOR:

Facility ID:	19280760
Status:	Refer: Other Agency
Status Date:	08/31/1995
Site Code:	Not reported
Site Type:	Historical
Site Type Detailed:	* Historical
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	* Mmonroy
Division Branch:	Cleanup Cypress
Assembly:	66
Senate:	35
Special Program:	* Site Char & Assess Grant (CERCLA 104)
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.86888
Longitude:	-118.2994
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	* TANK BOTTOM WASTES * WASTE OIL & MIXED OIL Chromium VI
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CAD980885198
Alias Type:	EPA Identification Number
Alias Name:	19280760
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	10/25/1994
Comments:	Due to active generator status and the local agencies regulating the site, staff recommends NFA for DTSC.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Assessment Report
Completed Date:	04/01/1985
Comments:	T/C W/ B.HICKMAN, ALADDIN.1/2/85 - SOURCE ACT: PLASTIC MFG. INJECT MOLDIG UNTIL THE EARLY 70'S DISCH INTO SEEPAGE PIT. 1959-1972 APPROX.100G/D DISCH.SINCE 1972 COLLECTN SUMP & RECEPTOR THEN SEWER BECAUSE RWQCB RESCINDED ITS REQ FOR DISP TO SEEPAGE PIT. INDUST WASTE PERMIT BY CITY OF GARDENA FINAL STRATEGY RECOM SOIL SAMPLING. YR OF OPER: ABAND INDUST WST DISP SURVEY 5/27/83 - 1957 TO PRESENT FAC TYPE: CO ENGR SAINT DIST 3/12/75 - SUMP, INTERCEPTOR, GRIT REMOVAL, GREASE OR OIL REMOVAL, COOLING TOWERS. RWQCB RESOLUTION 59-45, 6/18/59 - 1)DEPTH OF AQUIFER: SMALL AMOUNT OF SEMI PERCHED GROUND-WATER AT 20-60FT. 2)G-WATER USE: FOR DOMESTIC, MUNICIPAL &

ALADDIN PLASTICS INC (Continued) **S103952778**

INDUSTRIAL PURPOSE. 3)DISTANCE TO WELL: NO ACTIVE WELL. SUBMIT TO EPA PRELIM ASSESS DONE CERCLA 104

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	* Discovery
Completed Date:	08/13/1982
Comments:	FACILITY IDENTIFIED ID'D FROM PAC TEL BUS DIR 1981/ LA CO ENG: INDEX 111, IN PERMIT 3639
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

S81 **GARDENA SUMPS** **CA HIST Cal-Sites** **S101272750**
East **SW CRNR OF NORMANDIE AVE** **CA HIST CORTESE** **N/A**
1/2-1 **GARDENA, CA 90247**
0.723 mi.
3818 ft. **Site 1 of 2 in cluster S**

Relative: **Lower**
Actual: **29 ft.**

Calsite:

Region:	CYPRESS
Facility ID:	19490135
Facility Type:	RP
Type:	RESPONSIBLE PARTY
Branch:	SB
Branch Name:	SO CAL - CYPRESS
File Name:	Not reported
State Senate District:	09251995
Status:	ANNUAL WORKPLAN (AWP) - ACTIVE SITE
Status Name:	ANNUAL WORKPLAN - ACTIVE SITE
Lead Agency:	DEPT OF TOXIC SUBSTANCES CONTROL
NPL:	Not Listed
SIC Code:	49
SIC Name:	ELECTRIC, GAS & SANITARY SERVICES
Access:	Uncontrolled
Cortese:	Not reported
Hazardous Ranking Score:	Not reported
Date Site Hazard Ranked:	Not reported
Groundwater Contamination:	Suspected
Staff Member Responsible for Site:	JCULLY
Supervisor Responsible for Site:	Not reported
Region Water Control Board:	LA
Region Water Control Board Name:	LOS ANGELES
Lat/Long Direction:	Not reported
Lat/Long (dms):	0 0 0 / 0 0 0
Lat/long Method:	Not reported
Lat/Long Description:	DATA PROVIDED BY PM 1/03
State Assembly District Code:	51
State Senate District Code:	25
Facility ID:	19490135
Activity:	DISC

GARDENA SUMPS (Continued) **S101272750**

Activity Name:	DISCOVERY
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	01101981
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19490135
Activity:	SS
Activity Name:	SITE SCREENING
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	04071987
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19490135
Activity:	ORDER
Activity Name:	I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code:	RAO
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	03301988
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported

GARDENA SUMPS (Continued) **S101272750**

Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19490135
Activity:	ORDER
Activity Name:	I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code:	ISE
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	07301988
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19490135
Activity:	FDNC
Activity Name:	FINAL DETERMINATION OF NON-COMPLIANCE
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	12301988
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported

GARDENA SUMPS (Continued) **S101272750**

For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19490135
Activity:	PPP
Activity Name:	PUBLIC PARTICIPATION PLAN
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	09031991
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19490135
Activity:	FRIFS
Activity Name:	FOCUSED REMEDIAL INVESTIGATION/FEASIBILITY STUDY
AWP Code:	SUMP
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	01311992
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19490135
Activity:	DES
Activity Name:	DESIGN
AWP Code:	Not reported
Proposed Budget:	0

GARDENA SUMPS (Continued) **S101272750**

AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	06151992
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19490135
Activity:	ORDER
Activity Name:	I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code:	ISE
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	06251992
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19490135
Activity:	PRP
Activity Name:	POTENTIAL RESPONSIBLE PARTY SEARCH
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	06301992
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0

GARDENA SUMPS (Continued) **S101272750**

Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19490135
Activity:	CEQA
Activity Name:	CEQA INCLUDING NEGATIVE DECS
AWP Code:	NEGDK
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	05111993
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19490135
Activity:	FRIFS
Activity Name:	FOCUSED REMEDIAL INVESTIGATION/FEASIBILITY STUDY
AWP Code:	EECA
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	05211993
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0

GARDENA SUMPS (Continued) **S101272750**

Unknown Type:	0
Facility ID:	19490135
Activity:	RA
Activity Name:	REMOVAL ACTION
AWP Code:	CAP
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	08111993
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	X
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	N
Activity Comments:	AN INTERIM COVER WAS CONSTRUCTED TO PREVENT DERMAL CONTACT.
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19490135
Activity:	STAB
Activity Name:	LONG-TERM SITE STABILIZATION CERTIFICATION
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	08111993
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19490135
Activity:	RA
Activity Name:	REMOVAL ACTION
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	03031994

GARDENA SUMPS (Continued) **S101272750**

Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	X
Well Decommissioned:	Not reported
Action Included Fencing:	X
Removal Action Certification:	N
Activity Comments:	EXPOSED AREAS OF HAZARDOUS SUBSTANCES COVERED IN ADDITION TO A FENCEINSTALLED.
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19490135
Activity:	FRIFS
Activity Name:	FOCUSED REMEDIAL INVESTIGATION/FEASIBILITY STUDY
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	06081995
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19490135
Activity:	OM
Activity Name:	OPERATION & MAINTENANCE
AWP Code:	Not reported
Proposed Budget:	40000
AWP Completion Date:	06302032
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	L
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported

GARDENA SUMPS (Continued) **S101272750**

Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19490135
Activity:	ORDER
Activity Name:	I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code:	HAACK
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	05281997
Est Person-Yrs to complete:	0
Estimated Size:	M
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19490135
Activity:	RAW
Activity Name:	REMOVAL ACTION WORKPLAN
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	05271998
Est Person-Yrs to complete:	0
Estimated Size:	M
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19490135

GARDENA SUMPS (Continued) **S101272750**

Activity:	RA
Activity Name:	REMOVAL ACTION
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	06221998
Est Person-Yrs to complete:	0
Estimated Size:	S
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	X
Well Decommissioned:	Not reported
Action Included Fencing:	X
Removal Action Certification:	N
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19490135
Activity:	CEQA
Activity Name:	CEQA INCLUDING NEGATIVE DECS
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	05271998
Est Person-Yrs to complete:	0
Estimated Size:	M
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19490135
Activity:	ORDER
Activity Name:	I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	06212004
Est Person-Yrs to complete:	0
Estimated Size:	Not reported

GARDENA SUMPS (Continued) **S101272750**

Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19490135
Activity:	RIFS
Activity Name:	REMEDIAL INVESTIGATION / FEASIBILITY STUDY
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	09302005
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19490135
Activity:	RAP
Activity Name:	REMEDIAL ACTION PLAN / RECORD OF DECISION
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	12312005
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported

GARDENA SUMPS (Continued) **S101272750**

Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19490135
Activity:	RMDL
Activity Name:	REMEDIAL ACTION (RAP REQUIRED)
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	12312007
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19490135
Activity:	CERT
Activity Name:	CERTIFICATION
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	06302008
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Alternate Address:	1400 WEST ARTESIA
Alternate City,St,Zip:	GARDENA, CA 90248
Alternate Address:	SW CRNR OF NORMANDIE AVE & ARTESIA BLVD
Alternate City,St,Zip:	GARDENA, CA 90247

GARDENA SUMPS (Continued) **S101272750**

Background Info: Historically, clay was excavated from this site for industrial purposes. In the 1930's, the excavations were used for the disposal of oily hazardous wastes. This disposal continued until the late 1950's. The wastes disposed of onsite included refinery wastes, tank bottom sludges, and rinse water acids. There are four sumps onsite, two of which are visible and the other two are buried.
Hazardous substances found onsite include a wide variety of petroleum hydrocarbon wastes, base neutral acids, and some heavy metals generated from drilling and petroleum refining. Sludges are of a highly acidic nature. The estimated amount of waste on the site is 16,000 tons.
The hydrocarbon wastes are highly acidic and present a potential health hazard through direct contact with the skin. Additionally wastes may emit gases containing volatile organic compounds, or other sulfur containing gases, presenting a potential inhalation hazard.
In 1981, the Department collected grab samples from the visible sumps. The samples revealed the presence of heavy metals and a pH of less than two. In 1982, EPA's Technical Assistance (TAT) conducted a geological survey, sampled the sumps, and installed four offsite groundwater monitoring wells. This investigation confirmed the presence of benzene, toluene, ethyl benzene, trichloroethylene, and heavy metals in soils.
DHS performed a preliminary assessment and site investigation in 1986, to evaluate site contamination. Based on the findings of this investigation, a Remedial Action Order was issued on March 3, 1988, to the two property owners where the sumps exist. An Imminent and/or Substantial Endangerment Determination was made by DHS in July 1988. Based on this determination, the landowners were required to fence and secure the site and remove materials seeping from the sumps to offsite areas. One of the landowners has complied. The other landowner secured and capped his portion of the site, but did not remove the hazardous waste from his property, nor did he reimburse DTSC for its costs. Atlantic Richfield Company has signed a consent agreement with DTSC, but this still as to be approved by a federal court judge.
Comments Date: 01101981
Comments: Facility Identified: Tip received from former Gardena
Comments Date: 01101981
Comments: resident.
Comments Date: 01221981
Comments: Records Search: Gardena Fire Dept.
Comments Date: 01252002
Comments: Cap was repaired by contractor.
Comments Date: 01311992
Comments: FRIFS: Sump area.
Comments Date: 02041981
Comments: Facility Drive-By: Large sump; approx 1.5 acres. Vehicular
Comments Date: 02041981
Comments: access is available.
Comments Date: 02181981
Comments: Abandoned Site Program (ASP) Inspection: Samples taken.
Comments Date: 02191982
Comments: Site referred to HWMB/Enforcement.
Comments Date: 02282002

GARDENA SUMPS (Continued) **S101272750**

Comments:	Groundwater sampled. Some metals were found in on-site wells
Comments Date:	02282002
Comments:	at above MCL levels.
Comments Date:	03021995
Comments:	The second round of groundwater sampling was completed, showed
Comments Date:	03021995
Comments:	little GW contamination.
Comments Date:	03031994
Comments:	Removal action completed. Exposed areas of hazardous substances
Comments Date:	03031994
Comments:	contaminated with black oily sludge which was seeping to the
Comments Date:	03031994
Comments:	surface of the Southern Pacific Line's (SPL) property was covered
Comments Date:	03031994
Comments:	with a layer of clean fill dirt. In addition, a fence was in-
Comments Date:	03031994
Comments:	stalled around this portion of the SPL property which borders the
Comments Date:	03031994
Comments:	Gardena Sumps. The fence encloses approximately 12,000 square
Comments Date:	03031994
Comments:	feet.
Comments Date:	04071987
Comments:	Site Screening Done: Hazard ranked. Undergoing mitigation.
Comments Date:	04291981
Comments:	Lab results show PH less than 2.0.
Comments Date:	05111993
Comments:	Required for the temporary CAP Removal Action.
Comments Date:	05271998
Comments:	Removal Action on Haack Property. Capping of PAH contaminated
Comments Date:	05271998
Comments:	soil with 7400 sq ft of 6" steel reinforced concrete with a
Comments Date:	05271998
Comments:	a vapor barrier.
Comments Date:	05281997
Comments:	DTSC and Haack have signed a settlement with ONLY Haack and his
Comments Date:	05281997
Comments:	Estate. Haack has agreed to place a concrete "cap" over the
Comments Date:	05281997
Comments:	remaining areas of the most severe and publicly accessible con-
Comments Date:	05281997
Comments:	tamination on his property. He has also agreed to remove
Comments Date:	05281997
Comments:	additional seep materials should they migrate onto public rights
Comments Date:	05281997
Comments:	of way after the cap is installed, up to 2 standard drums a year.
Comments Date:	05281997
Comments:	Settlement money will be reduced by $2/sq. ft. for capping over
Comments Date:	05281997
Comments:	3000 sq. ft., subject to mutual measurements.
Comments Date:	06012000
Comments:	Groundwater sampling conducted-all constituents were below MCLs.
Comments Date:	06012000
Comments:	Groundwater sampling is planned for June 12, 2001. There are
Comments Date:	06012000
Comments:	several tears in the cap on the Cooper Property. Repair of the
Comments Date:	06012000
Comments:	cap is scheduled for Fiscal Year 2001-2002.

GARDENA SUMPS (Continued) **S101272750**

Comments Date:	06081995
Comments:	The Department reviewed and approved the Health Risk Assessment
Comments Date:	06081995
Comments:	prepared by Tetra Tech, Inc. for the Gardena Sumps site. Due
Comments Date:	06081995
Comments:	to the lack of available funding for this site, the Feasibility
Comments Date:	06081995
Comments:	Study will not be performed.
Comments Date:	06082004
Comments:	Lien issued against Mr. Cooper for DTSC's administrative costs.
Comments Date:	06082004
Comments:	Not reported
Comments Date:	06122001
Comments:	Groundwater sampled. All constituents found to be below MCLs.
Comments Date:	06212004
Comments:	DTSC signed Consent Agreement with Atlantic Richfield Company
Comments Date:	06212004
Comments:	(ARC), whereby ARC agreed to pay $800,000 of DTSC's
Comments Date:	06212004
Comments:	administrative costs and to perform an RI/FS on the site.
Comments Date:	06221998
Comments:	Removal completed.
Comments Date:	07251991
Comments:	Sumps used for hazardous waste disposal. Contaminants
Comments Date:	07251991
Comments:	include heavy metals, petroleum hydrocarbons, BNAs, and
Comments Date:	07251991
Comments:	VOCs.
Comments Date:	08241993
Comments:	RA Cap completed. An interim cover was constructed to prevent
Comments Date:	08241993
Comments:	dermal contact with hazardous substance contaminated oily sludge.
Comments Date:	08241993
Comments:	The cover was constructed over an area approximately 114,000
Comments Date:	08241993
Comments:	square feet.
Comments Date:	09301998
Comments:	PRP search reviewed. No new PRPs found.
Comments Date:	10082002
Comments:	Groundwater sampled. All constituents found to be below MCLs.
Comments Date:	10301996
Comments:	Mediation for settlement occurred in May 30,1996. AG & RP still
Comments Date:	10301996
Comments:	unable to finalize document. Possible 2nd mediation.
Comments Date:	12062004
Comments:	The Atlantic Richfield Corporation (ARCO) entered into a Consent
Comments Date:	12062004
Comments:	Decree with DTSC as settlement of oversight costs.
Comments Date:	12201989
Comments:	EPA's reassessment of Screening Site Inspection changes
Comments Date:	12201989
Comments:	recommendation to Listing Site Inspection.
ID Name:	BEP DATABASE PCODE
ID Value:	P41016
ID Name:	EPA IDENTIFICATION NUMBER
ID Value:	CAD980637730
ID Name:	CALSTARS CODE

GARDENA SUMPS (Continued) **S101272750**

ID Value: 400067
Alternate Name: GARDENA SUMPS
Alternate Name: Not reported
Special Programs Code: Not reported
Special Programs Name: Not reported

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: CALSI
Reg Id: 19490135

S82 **GARDENA SUMPS** **CA BOND EXP. PLAN** **S105960466**
East **SOUTHWEST CORNER OF NORMANDIE AVENUE AND ARTESIA B** **N/A**
1/2-1 **GARDENA, CA 90247**
0.723 mi.
3818 ft. **Site 2 of 2 in cluster S**

Relative: **Lower**
Actual: **29 ft.**

CA BOND EXP. PLAN:
Reponsible Party: DETAILED SITE EXPENDITURE PLAN
Project Revenue Source Company: Not reported
Project Revenue Source Addr: Not reported
Project Revenue Source City,St,Zip: Not reported
Project Revenue Source Desc: The drilling, transportation, and manufacturing companies which disposed of wastes have not been definitively identified. Both of the landowners named in the RAO have indicated willingness to undertake and fund further site characterization and remediation required in the order. Uncertainty remains as to whether these landowners can fund remedial activities. If all PRPs are found to be in noncompliance, DHS will initiate remedial activities. If Bond funds are used, DHS will undertake appropriate cost recovery activities.
Site Description: This is an abandoned refinery and oil field waste disposal site. The wastes are believed to have been disposed of in sumps over a 15 year period ending in the 1950s.
Hazardous Waste Desc: Hazardous substances found onsite include a wide variety of petroleum hydrocarbon wastes, polychlorinated biphenyls (PCBs) and some heavy metals generated from drilling and petroleum refining. Sludges are of a highly acidic nature. The estimated amount of waste on the site is 16,000 tons.
Threat To Public Health & Env: The hydrocarbon wastes are highly acidic and present a potential health hazard through direct contact with the skin. Additionally wastes may emit gases containing volatile organic compounds, or other sulfur containing gases, presenting a potential inhalation hazard.
Site Activity Status: DHS performed a preliminary assessment and site investigation in 1986 to evaluate site contamination. Based on the findings of this investigation, a remedial action order was issued on March 3, 1988 to the two property owners where the sumps exist. Should both property owners fail to comply with the order, DHS will initiate remedial activities. An imminent and substantial endangerment determination was made by DHS in July, 1988. Based on this determination, the landowners were required to fenceand secure the site and remove materials seeping from the sumps to offsite areas.

83
ENE
1/2-1
0.818 mi.
4318 ft.

NORMANDIE ESTATE
16908 SOUTH NORMANDIE AVENUE
GARDENA, CA 90247

CA ENVIROSTOR **S109034327**
CA VCP **N/A**

Relative:
Lower

Actual:
33 ft.

ENVIROSTOR:

Facility ID:	60000892
Status:	No Further Action
Status Date:	09/29/2008
Site Code:	301389
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	1.5
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Chand Sultana
Supervisor:	Allan Plaza
Division Branch:	Cleanup Chatsworth
Assembly:	66
Senate:	35
Special Program:	Voluntary Cleanup Program
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	33.87859
Longitude:	-118.2992
APN:	6111011024
Past Use:	NURSERY
Potential COC:	DDE DDT Lead Acetone Ethylbenzene Xylenes
Confirmed COC:	Ethylbenzene Acetone Xylenes DDE DDT Lead
Potential Description:	SOIL
Alias Name:	6111011024
Alias Type:	APN
Alias Name:	301389
Alias Type:	Project Code (Site Code)
Alias Name:	60000892
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Investigation Report
Completed Date:	05/19/2008
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Workplan
Completed Date:	08/19/2008
Comments:	Ted Yargeau approved the plan by sending an e-mail.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	09/22/2008
Comments:	PEAE completed.
Future Area Name:	Not reported

NORMANDIE ESTATE (Continued) **S109034327**

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

VCP:
Facility ID: 60000892
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 1.5
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Chand Sultana
Supervisor: Allan Plaza
Division Branch: Cleanup Chatsworth
Site Code: 301389
Assembly: 66
Senate: 35
Special Programs Code: Voluntary Cleanup Program
Status: No Further Action
Status Date: 09/29/2008
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 33.87859 / -118.2992
APN: 6111011024
Past Use: NURSERY
Potential COC: 30007, 30008, 30013, 30032, 30272, 30593
Confirmed COC: 30272,30032,30593,30007,30008,30013
Potential Description: SOIL
Alias Name: 6111011024
Alias Type: APN
Alias Name: 301389
Alias Type: Project Code (Site Code)
Alias Name: 60000892
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 05/19/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 08/19/2008
Comments: Ted Yargeau approved the plan by sending an e-mail.

Completed Area Name: PROJECT WIDE

NORMANDIE ESTATE (Continued) **S109034327**

Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	09/22/2008
Comments:	PEAE completed.
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

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

Federal NPL site list

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: 12/12/2018
Date Data Arrived at EDR: 12/28/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 14

Source: EPA
Telephone: N/A
Last EDR Contact: 02/15/2019
Next Scheduled EDR Contact: 04/15/2019
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 3
Telephone 215-814-5418

EPA Region 4
Telephone 404-562-8033

EPA Region 5
Telephone 312-886-6686

EPA Region 10
Telephone 206-553-8665

EPA Region 6
Telephone: 214-655-6659

EPA Region 7
Telephone: 913-551-7247

EPA Region 8
Telephone: 303-312-6774

EPA Region 9
Telephone: 415-947-4246

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: 12/12/2018
Date Data Arrived at EDR: 12/28/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 14

Source: EPA
Telephone: N/A
Last EDR Contact: 02/15/2019
Next Scheduled EDR Contact: 04/15/2019
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

Federal Delisted NPL site list

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: 12/12/2018
Date Data Arrived at EDR: 12/28/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 14

Source: EPA
Telephone: N/A
Last EDR Contact: 02/15/2019
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Quarterly

Federal CERCLIS list

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: 11/07/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 92

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 01/04/2019
Next Scheduled EDR Contact: 04/15/2019
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: 12/12/2018
Date Data Arrived at EDR: 12/28/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 14

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 02/15/2019
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

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: 12/13/2018
Date Data Arrived at EDR: 12/28/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 14

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 02/15/2019
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/03/2018
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

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: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/03/2018
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Quarterly

Federal RCRA generators list

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: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/03/2018
Next Scheduled EDR Contact: 04/08/2019
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: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/03/2018
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - 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). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/03/2018
Next Scheduled EDR Contact: 04/08/2019
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: 10/17/2018
Date Data Arrived at EDR: 10/25/2018
Date Made Active in Reports: 12/07/2018
Number of Days to Update: 43

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 02/07/2019
Next Scheduled EDR Contact: 05/27/2019
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: 07/31/2018
Date Data Arrived at EDR: 08/28/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 17

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/04/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

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: 07/31/2018
Date Data Arrived at EDR: 08/28/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 17

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/04/2019
Next Scheduled EDR Contact: 06/10/2019
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: 09/24/2018
Date Data Arrived at EDR: 09/25/2018
Date Made Active in Reports: 11/09/2018
Number of Days to Update: 45

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 02/08/2019
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Quarterly

State- and tribal - equivalent NPL

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: 01/28/2019
Date Data Arrived at EDR: 01/29/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 35

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/29/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

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: 01/28/2019
Date Data Arrived at EDR: 01/29/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 35

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/29/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

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: 02/11/2019
Date Data Arrived at EDR: 02/12/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 21

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 02/12/2019
Next Scheduled EDR Contact: 05/27/2019
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

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 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: Varies

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 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

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 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 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 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: Quarterly

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: 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: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 12/11/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Quarterly

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: 04/10/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 01/25/2019
Next Scheduled EDR Contact: 05/06/2019
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: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/25/2019
Next Scheduled EDR Contact: 05/06/2019
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: 04/13/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/25/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

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: 04/25/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 01/25/2019
Next Scheduled EDR Contact: 05/06/2019
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: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 01/25/2019
Next Scheduled EDR Contact: 05/06/2019
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: 05/08/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 03/05/2019
Next Scheduled EDR Contact: 05/06/2019
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: 04/01/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 01/25/2019
Next Scheduled EDR Contact: 05/06/2019
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: 04/24/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/25/2019
Next Scheduled EDR Contact: 05/06/2019
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: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
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: Quarterly

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: Semi-Annually

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: Varies

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: Semi-Annually

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: Semi-Annually

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: Semi-Annually

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: Annually

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 05/15/2017
Date Data Arrived at EDR: 05/30/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 136
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 01/08/2019
Next Scheduled EDR Contact: 04/22/2019
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: 12/10/2018
Date Data Arrived at EDR: 12/12/2018
Date Made Active in Reports: 01/16/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 12/11/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Semi-Annually

MILITARY UST SITES: Military UST Sites (GEOTRACKER)

Military ust sites

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
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: 12/12/2018
Next Scheduled EDR Contact: 04/01/2019
Data Release Frequency: Quarterly

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: 04/13/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/25/2019
Next Scheduled EDR Contact: 05/06/2019
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: 05/08/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 03/05/2019
Next Scheduled EDR Contact: 05/06/2019
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: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 01/25/2019
Next Scheduled EDR Contact: 05/06/2019
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: 04/01/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 01/25/2019
Next Scheduled EDR Contact: 05/06/2019
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: 04/24/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/25/2019
Next Scheduled EDR Contact: 05/06/2019
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: 04/25/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 01/25/2019
Next Scheduled EDR Contact: 05/06/2019
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: 04/10/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 01/25/2019
Next Scheduled EDR Contact: 05/06/2019
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: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/25/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

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: 12/19/2018
Next Scheduled EDR Contact: 04/08/2019
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: 01/28/2019
Date Data Arrived at EDR: 01/29/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 35

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/29/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Quarterly

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: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

State and tribal Brownfields 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: 12/20/2018
Date Data Arrived at EDR: 12/21/2018
Date Made Active in Reports: 02/28/2019
Number of Days to Update: 69

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 12/21/2018
Next Scheduled EDR Contact: 04/08/2019
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: 12/17/2018
Date Data Arrived at EDR: 12/18/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 24

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 12/18/2018
Next Scheduled EDR Contact: 04/01/2019
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: 01/28/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/12/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 34

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 09/26/2018
Date Data Arrived at EDR: 09/28/2018
Date Made Active in Reports: 11/01/2018
Number of Days to Update: 34

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 02/12/2019
Next Scheduled EDR Contact: 05/27/2019
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: 01/29/2019
Next Scheduled EDR Contact: 05/13/2019
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: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
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: 02/01/2019
Next Scheduled EDR Contact: 05/13/2019
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: 09/21/2018
Date Data Arrived at EDR: 09/21/2018
Date Made Active in Reports: 11/09/2018
Number of Days to Update: 49

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/21/2019
Next Scheduled EDR Contact: 06/10/2019
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: 01/28/2019
Date Data Arrived at EDR: 01/29/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 35

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/29/2019
Next Scheduled EDR Contact: 05/11/2019
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: 12/31/2017
Date Data Arrived at EDR: 06/12/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 55

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 01/25/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Varies

CERS HAZ WASTE: 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.

Date of Government Version: 10/22/2018
Date Data Arrived at EDR: 10/23/2018
Date Made Active in Reports: 11/30/2018
Number of Days to Update: 38

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 01/24/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Quarterly

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

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: 09/21/2018
Date Data Arrived at EDR: 09/21/2018
Date Made Active in Reports: 11/09/2018
Number of Days to Update: 49

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/21/2019
Next Scheduled EDR Contact: 06/10/2019
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

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 12/04/2018
Date Data Arrived at EDR: 12/06/2018
Date Made Active in Reports: 12/14/2018
Number of Days to Update: 8

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 02/21/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Annually

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: 09/11/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/11/2018
Number of Days to Update: 29

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
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: 10/22/2018
Date Data Arrived at EDR: 10/23/2018
Date Made Active in Reports: 11/30/2018
Number of Days to Update: 38

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 01/24/2019
Next Scheduled EDR Contact: 05/06/2019
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: 11/29/2018
Date Data Arrived at EDR: 12/04/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 38

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/17/2019
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: 12/12/2018
Date Data Arrived at EDR: 12/28/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 02/15/2019
Next Scheduled EDR Contact: 05/06/2019
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: 12/03/2018
Date Data Arrived at EDR: 12/05/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 37

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 03/05/2019
Next Scheduled EDR Contact: 06/17/2019
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: 03/26/2018
Date Data Arrived at EDR: 03/27/2018
Date Made Active in Reports: 06/08/2018
Number of Days to Update: 73

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 02/08/2019
Next Scheduled EDR Contact: 04/08/2019
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: 10/24/2018
Date Data Arrived at EDR: 01/24/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 40

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 01/24/2019
Next Scheduled EDR Contact: 05/06/2019
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: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
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: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
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: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/03/2018
Next Scheduled EDR Contact: 04/08/2019
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: 01/31/2015
Date Data Arrived at EDR: 07/08/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 97

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 02/22/2019
Next Scheduled EDR Contact: 06/03/2019
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: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 01/11/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Semi-Annually

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: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 01/11/2019
Next Scheduled EDR Contact: 04/22/2019
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: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63
Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 02/15/2019
Next Scheduled EDR Contact: 05/27/2019
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: 08/31/2018
Date Data Arrived at EDR: 09/25/2018
Date Made Active in Reports: 11/09/2018
Number of Days to Update: 45
Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 02/04/2019
Next Scheduled EDR Contact: 04/08/2019
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: 02/08/2019
Next Scheduled EDR Contact: 05/20/2019
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: 02/08/2019
Next Scheduled EDR Contact: 05/20/2019
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: 12/31/2016
Date Data Arrived at EDR: 06/21/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 198
Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 12/21/2018
Next Scheduled EDR Contact: 04/01/2019
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: 12/31/2016
Date Data Arrived at EDR: 01/10/2018
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 2

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/20/2019
Next Scheduled EDR Contact: 06/03/2019
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: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 01/25/2019
Next Scheduled EDR Contact: 05/06/2019
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: 12/12/2018
Date Data Arrived at EDR: 12/28/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 14

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 02/15/2019
Next Scheduled EDR Contact: 03/18/2019
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: 10/26/2018
Date Data Arrived at EDR: 11/06/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 66

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 01/22/2019
Next Scheduled EDR Contact: 05/06/2019
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: 08/13/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/09/2018
Number of Days to Update: 36
Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 02/15/2019
Next Scheduled EDR Contact: 05/20/2019
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: 09/14/2018
Date Data Arrived at EDR: 10/11/2018
Date Made Active in Reports: 12/07/2018
Number of Days to Update: 57
Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 01/11/2019
Next Scheduled EDR Contact: 04/22/2019
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: 01/07/2019
Next Scheduled EDR Contact: 04/22/2019
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: Quarterly

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: Quarterly

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: 08/30/2016
Date Data Arrived at EDR: 09/08/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 43
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 01/22/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 12/05/2018
Next Scheduled EDR Contact: 03/18/2019
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: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 03/05/2019
Next Scheduled EDR Contact: 06/17/2019
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: 05/24/2017
Date Data Arrived at EDR: 11/30/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 01/25/2019
Next Scheduled EDR Contact: 05/06/2019
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: 10/02/2018
Date Data Arrived at EDR: 10/03/2018
Date Made Active in Reports: 11/09/2018
Number of Days to Update: 37

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 01/03/2019
Next Scheduled EDR Contact: 04/15/2019
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: 10/01/2018
Date Data Arrived at EDR: 10/30/2018
Date Made Active in Reports: 01/18/2019
Number of Days to Update: 80

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 01/29/2019
Next Scheduled EDR Contact: 05/11/2019
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: 09/30/2018
Date Data Arrived at EDR: 10/12/2018
Date Made Active in Reports: 12/07/2018
Number of Days to Update: 56

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 01/07/2019
Next Scheduled EDR Contact: 04/22/2019
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: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 02/13/2019
Next Scheduled EDR Contact: 06/03/2019
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: 01/07/2019
Next Scheduled EDR Contact: 04/22/2019
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: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
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: 06/23/2017
Date Data Arrived at EDR: 10/11/2017
Date Made Active in Reports: 11/03/2017
Number of Days to Update: 23

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 02/22/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 12/12/2018
Date Data Arrived at EDR: 12/28/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 02/15/2019
Next Scheduled EDR Contact: 04/15/2019
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

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: 08/01/2018
Date Data Arrived at EDR: 08/29/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 37

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/10/2019
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: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 03/01/2019
Next Scheduled EDR Contact: 06/10/2019
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: 03/01/2019
Next Scheduled EDR Contact: 06/10/2019
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: 09/10/2018
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 12/19/2018
Next Scheduled EDR Contact: 03/25/2019
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: 11/15/2018
Date Data Arrived at EDR: 12/05/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 37

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 03/05/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 06/19/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 87

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 01/14/2019
Next Scheduled EDR Contact: 04/29/2019
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: 09/02/2018
Date Data Arrived at EDR: 09/05/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 9

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 03/05/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing
A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 07/26/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 71
Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 03/01/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Varies

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: 08/22/2018
Date Data Arrived at EDR: 08/22/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 44
Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 02/21/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Quarterly

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

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: 12/20/2018
Date Data Arrived at EDR: 12/21/2018
Date Made Active in Reports: 02/28/2019
Number of Days to Update: 69
Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 12/21/2018
Next Scheduled EDR Contact: 04/08/2019
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: 08/28/2018
Date Data Arrived at EDR: 08/30/2018
Date Made Active in Reports: 11/01/2018
Number of Days to Update: 63
Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 02/26/2019
Next Scheduled EDR Contact: 05/27/2019
Data Release Frequency: Varies

CUPA SAN FRANCISCO CO: CUPA Facility Listing
Cupa facilities

Date of Government Version: 09/11/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 09/19/2018
Number of Days to Update: 7
Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
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: 10/04/2018
Date Data Arrived at EDR: 10/05/2018
Date Made Active in Reports: 11/01/2018
Number of Days to Update: 27

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 02/07/2019
Next Scheduled EDR Contact: 06/10/2019
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: 12/13/2018
Date Data Arrived at EDR: 01/17/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 47

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Annually

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: 11/13/2018
Date Data Arrived at EDR: 12/04/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 42

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/17/2019
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: 12/31/2017
Date Data Arrived at EDR: 06/20/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 47

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 12/21/2018
Next Scheduled EDR Contact: 04/01/2019
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: 11/01/2018
Date Data Arrived at EDR: 11/02/2018
Date Made Active in Reports: 12/13/2018
Number of Days to Update: 41

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 01/10/2019
Date Data Arrived at EDR: 01/23/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 41

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
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: 02/15/2019
Date Data Arrived at EDR: 02/19/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 14

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 02/11/2019
Next Scheduled EDR Contact: 05/27/2019
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: 12/31/2017
Date Data Arrived at EDR: 10/10/2018
Date Made Active in Reports: 11/16/2018
Number of Days to Update: 37

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 01/07/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 02/19/2019
Date Data Arrived at EDR: 02/20/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 13

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 02/20/2019
Next Scheduled EDR Contact: 06/03/2019
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: 02/19/2019
Date Data Arrived at EDR: 02/20/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 13

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/20/2019
Next Scheduled EDR Contact: 06/03/2019
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: 01/07/2019
Date Data Arrived at EDR: 01/08/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 56

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 01/08/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Quarterly

MINES: Mines Site Location Listing
A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/12/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 34

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
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: 11/09/2018
Date Data Arrived at EDR: 12/05/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 37

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 03/05/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Varies

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 11/12/2018
Date Data Arrived at EDR: 11/14/2018
Date Made Active in Reports: 12/13/2018
Number of Days to Update: 29

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 02/12/2019
Next Scheduled EDR Contact: 05/27/2019
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: 12/03/2018
Date Data Arrived at EDR: 12/05/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 37

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 03/05/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/12/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 34

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
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: 09/19/2018
Date Data Arrived at EDR: 09/20/2018
Date Made Active in Reports: 10/19/2018
Number of Days to Update: 29

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 04/01/2019
Data Release Frequency: No Update Planned

UIC: UIC Listing
A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 04/27/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/17/2018
Number of Days to Update: 34
Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 01/25/2019
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35
Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
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: 05/08/2018
Date Data Arrived at EDR: 07/11/2018
Date Made Active in Reports: 09/13/2018
Number of Days to Update: 64
Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 01/11/2019
Next Scheduled EDR Contact: 04/22/2019
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: 02/13/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Quarterly

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)
Military privatized sites

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)
Projects sites

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
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: 12/10/2018
Date Data Arrived at EDR: 12/12/2018
Date Made Active in Reports: 01/18/2019
Number of Days to Update: 37
Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
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: 12/03/2018
Date Data Arrived at EDR: 12/04/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 38
Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 03/05/2019
Next Scheduled EDR Contact: 06/17/2019
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: 10/22/2018
Date Data Arrived at EDR: 10/23/2018
Date Made Active in Reports: 11/30/2018
Number of Days to Update: 38
Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 01/24/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

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: 12/19/2018
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)

Produced water ponds sites

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)
Sampling point - public sites

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
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: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
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: 01/07/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 10/05/2018
Date Data Arrived at EDR: 10/10/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 23

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 01/07/2019
Next Scheduled EDR Contact: 04/24/2047
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List
Cupa Facility List

Date of Government Version: 07/01/2018
Date Data Arrived at EDR: 07/24/2018
Date Made Active in Reports: 08/20/2018
Number of Days to Update: 27

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/17/2019
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: 01/07/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 01/24/2019
Date Data Arrived at EDR: 01/25/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 39

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 12/21/2018
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 05/23/2018
Date Data Arrived at EDR: 05/24/2018
Date Made Active in Reports: 07/13/2018
Number of Days to Update: 50

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 05/20/2019
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: 11/26/2018
Date Data Arrived at EDR: 11/30/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 46

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 01/28/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 01/16/2019
Date Data Arrived at EDR: 02/05/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 28

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 01/28/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 12/13/2018
Date Data Arrived at EDR: 12/18/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 28

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 01/28/2019
Next Scheduled EDR Contact: 05/11/2019
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: 10/16/2018
Date Data Arrived at EDR: 10/18/2018
Date Made Active in Reports: 11/14/2018
Number of Days to Update: 27

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 12/26/2018
Next Scheduled EDR Contact: 04/15/2019
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: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 12/11/2018
Date Data Arrived at EDR: 12/13/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 33

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 11/19/2018
Next Scheduled EDR Contact: 03/04/2019
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 01/18/2019
Date Data Arrived at EDR: 01/23/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 41

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
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: 02/13/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

KERN COUNTY:

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 11/02/2018
Date Data Arrived at EDR: 11/07/2018
Date Made Active in Reports: 12/14/2018
Number of Days to Update: 37

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
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: 02/14/2019
Date Data Arrived at EDR: 02/19/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 14

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 02/13/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 11/07/2018
Date Data Arrived at EDR: 11/08/2018
Date Made Active in Reports: 11/14/2018
Number of Days to Update: 6

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 01/14/2019
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/17/2019
Date Data Arrived at EDR: 01/18/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 46

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
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: 12/12/2018
Next Scheduled EDR Contact: 04/01/2019
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 09/20/2018
Date Data Arrived at EDR: 10/12/2018
Date Made Active in Reports: 11/16/2018
Number of Days to Update: 35

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 01/07/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 10/15/2018
Date Data Arrived at EDR: 10/16/2018
Date Made Active in Reports: 11/16/2018
Number of Days to Update: 31

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 01/15/2019
Next Scheduled EDR Contact: 04/29/2019
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: 01/01/2018
Date Data Arrived at EDR: 05/01/2018
Date Made Active in Reports: 05/14/2018
Number of Days to Update: 13

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 01/15/2019
Next Scheduled EDR Contact: 04/29/2019
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: 07/01/2018
Date Data Arrived at EDR: 10/16/2018
Date Made Active in Reports: 11/16/2018
Number of Days to Update: 31

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 02/01/2019
Next Scheduled EDR Contact: 04/29/2019
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: 01/14/2019
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Semi-Annually

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: 03/09/2017
Date Data Arrived at EDR: 03/10/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 54

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Annually

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 10/02/2018
Date Data Arrived at EDR: 10/05/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 28

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
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: 11/26/2018
Date Data Arrived at EDR: 11/27/2018
Date Made Active in Reports: 12/12/2018
Number of Days to Update: 15

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 02/15/2019
Next Scheduled EDR Contact: 06/03/2019
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: 01/14/2019
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/29/2018
Date Data Arrived at EDR: 08/31/2018
Date Made Active in Reports: 09/19/2018
Number of Days to Update: 19

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 12/07/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/24/2019
Number of Days to Update: 44

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 02/21/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 02/05/2019
Date Data Arrived at EDR: 02/07/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 26

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 12/27/2018
Next Scheduled EDR Contact: 04/15/2019
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: 02/21/2019
Next Scheduled EDR Contact: 06/10/2019
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: 11/28/2018
Date Data Arrived at EDR: 11/30/2018
Date Made Active in Reports: 12/14/2018
Number of Days to Update: 14

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 02/21/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 01/25/2019
Date Data Arrived at EDR: 01/29/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 35

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 01/28/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 01/02/2019
Date Data Arrived at EDR: 02/07/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 26

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/04/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 10/04/2018
Date Data Arrived at EDR: 11/14/2018
Date Made Active in Reports: 12/13/2018
Number of Days to Update: 29

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/04/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 10/04/2018
Date Data Arrived at EDR: 11/06/2018
Date Made Active in Reports: 12/14/2018
Number of Days to Update: 38

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/05/2019
Next Scheduled EDR Contact: 05/20/2019
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: 11/29/2018
Date Data Arrived at EDR: 12/04/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 38

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 01/14/2019
Date Data Arrived at EDR: 01/18/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 46

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
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: 10/10/2018
Date Data Arrived at EDR: 10/12/2018
Date Made Active in Reports: 10/16/2018
Number of Days to Update: 4

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/17/2018
Next Scheduled EDR Contact: 04/01/2019
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 10/10/2018
Date Data Arrived at EDR: 10/12/2018
Date Made Active in Reports: 11/05/2018
Number of Days to Update: 24

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/17/2018
Next Scheduled EDR Contact: 04/01/2019
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: 11/07/2018
Date Data Arrived at EDR: 01/04/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 60

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 01/04/2019
Next Scheduled EDR Contact: 04/15/2019
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: 11/07/2018
Date Data Arrived at EDR: 12/28/2018
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 67

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 12/28/2018
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List
Cupa facility list

Date of Government Version: 11/15/2018
Date Data Arrived at EDR: 11/16/2018
Date Made Active in Reports: 12/13/2018
Number of Days to Update: 27

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 05/20/2019
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: 11/28/2018
Date Data Arrived at EDR: 11/30/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 42

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 02/19/2019
Next Scheduled EDR Contact: 05/20/2019
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: 12/03/2018
Date Data Arrived at EDR: 12/05/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 37

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 03/05/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 04/18/2018
Date Data Arrived at EDR: 04/24/2018
Date Made Active in Reports: 06/19/2018
Number of Days to Update: 56

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
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: 10/22/2018
Date Data Arrived at EDR: 10/23/2018
Date Made Active in Reports: 11/30/2018
Number of Days to Update: 38

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
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: 02/27/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

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: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Quarterly

UST SAN FRANCISCO: Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/05/2018
Date Data Arrived at EDR: 11/06/2018
Date Made Active in Reports: 12/14/2018
Number of Days to Update: 38

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Quarterly

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: 12/12/2018
Next Scheduled EDR Contact: 04/01/2019
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 11/14/2018
Date Data Arrived at EDR: 11/15/2018
Date Made Active in Reports: 12/13/2018
Number of Days to Update: 28

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 02/13/2019
Next Scheduled EDR Contact: 06/03/2019
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: 12/03/2018
Date Data Arrived at EDR: 12/12/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 34

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
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: 12/13/2018
Date Data Arrived at EDR: 12/18/2018
Date Made Active in Reports: 01/23/2019
Number of Days to Update: 36

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 09/10/2018
Next Scheduled EDR Contact: 12/24/2018
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: 02/13/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 11/16/2018
Date Data Arrived at EDR: 11/16/2018
Date Made Active in Reports: 12/13/2018
Number of Days to Update: 27

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 02/13/2019
Next Scheduled EDR Contact: 06/03/2019
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: 02/21/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Annually

SAN JOSE HAZMAT: Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/01/2018
Date Data Arrived at EDR: 11/06/2018
Date Made Active in Reports: 12/14/2018
Number of Days to Update: 38

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Annually

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: 02/13/2019
Next Scheduled EDR Contact: 06/03/2019
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: 02/13/2019
Next Scheduled EDR Contact: 06/03/2019
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: 11/29/2018
Date Data Arrived at EDR: 12/04/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 38

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 11/29/2018
Date Data Arrived at EDR: 12/04/2018
Date Made Active in Reports: 12/14/2018
Number of Days to Update: 10

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 12/21/2018
Date Data Arrived at EDR: 12/27/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 19

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 12/19/2018
Next Scheduled EDR Contact: 04/08/2019
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: 10/02/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 10/25/2018
Number of Days to Update: 21

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 01/07/2019
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 12/11/2018
Date Data Arrived at EDR: 12/13/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 33

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 12/13/2018
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 09/18/2018
Date Data Arrived at EDR: 09/20/2018
Date Made Active in Reports: 10/25/2018
Number of Days to Update: 35

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 12/13/2018
Date Data Arrived at EDR: 12/18/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 28

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 10/22/2018
Date Data Arrived at EDR: 10/25/2018
Date Made Active in Reports: 11/14/2018
Number of Days to Update: 20

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 12/26/2018
Date Data Arrived at EDR: 12/27/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 19

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
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: 02/27/2019
Next Scheduled EDR Contact: 05/06/2019
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: 12/26/2018
Date Data Arrived at EDR: 01/24/2019
Date Made Active in Reports: 02/28/2019
Number of Days to Update: 35

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 01/22/2019
Next Scheduled EDR Contact: 05/06/2019
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: 12/26/2018
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Annually

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: 02/07/2019
Next Scheduled EDR Contact: 05/27/2019
Data Release Frequency: Quarterly

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: 09/25/2018
Date Data Arrived at EDR: 10/25/2018
Date Made Active in Reports: 11/30/2018
Number of Days to Update: 36
Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 01/22/2019
Next Scheduled EDR Contact: 05/06/2019
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: 11/26/2018
Date Data Arrived at EDR: 12/12/2018
Date Made Active in Reports: 01/16/2019
Number of Days to Update: 35
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
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: 12/26/2018
Date Data Arrived at EDR: 01/03/2019
Date Made Active in Reports: 01/16/2019
Number of Days to Update: 13
Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 12/26/2018
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 11/05/2018
Date Data Arrived at EDR: 11/07/2018
Date Made Active in Reports: 11/14/2018
Number of Days to Update: 7
Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 01/28/2019
Next Scheduled EDR Contact: 05/11/2019
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: 02/11/2019
Date Data Arrived at EDR: 02/12/2019
Date Made Active in Reports: 03/04/2019
Number of Days to Update: 20

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 02/12/2019
Next Scheduled EDR Contact: 05/27/2019
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 07/13/2018
Date Made Active in Reports: 08/01/2018
Number of Days to Update: 19

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 01/07/2019
Next Scheduled EDR Contact: 04/22/2019
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: 01/01/2019
Date Data Arrived at EDR: 01/30/2019
Date Made Active in Reports: 02/14/2019
Number of Days to Update: 15

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 01/30/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 10/23/2018
Date Made Active in Reports: 11/27/2018
Number of Days to Update: 35

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 01/11/2019
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 02/23/2018
Date Made Active in Reports: 04/09/2018
Number of Days to Update: 45

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/19/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/15/2018
Date Made Active in Reports: 07/09/2018
Number of Days to Update: 24

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 12/07/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: PennWell Corporation
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 PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data
Source: PennWell Corporation
This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

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 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

© 2015 TomTom North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

GARDENA PUMPING PLANT
NOT REPORTED
GARDENA, CA 90247

TARGET PROPERTY COORDINATES

Latitude (North):	33.873122 - 33° 52' 23.24''
Longitude (West):	118.312316 - 118° 18' 44.34''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	378623.8
UTM Y (Meters):	3748669.0
Elevation:	39 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5633779 TORRANCE, CA
Version Date:	2012
North Map:	5640440 INGLEWOOD, CA
Version Date:	2012

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).

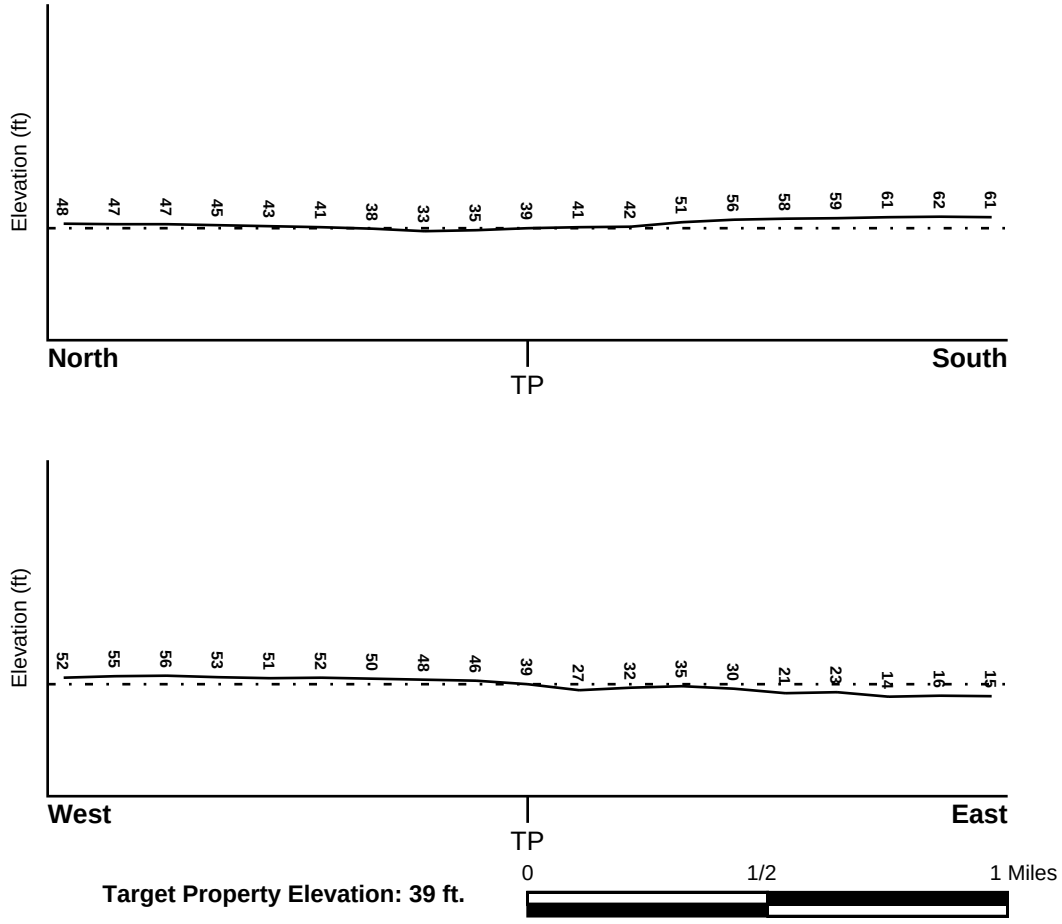
TOPOGRAPHIC INFORMATION

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 NE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Target Property Elevation: 39 ft.

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
06037C1935F	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
06037C1790F	FEMA FIRM Flood data
06037C1795F	FEMA FIRM Flood data
06037C1930F	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
TORRANCE	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
Location Relative to TP:	1/8 - 1/4 Mile NNW
Site Name:	CONTROL PLATING CO INC
Site EPA ID Number:	CAD040938565
Groundwater Flow Direction:	VARIES FROM NE TO SE IN THE GARDENA AQUIFER BECAUSE THE SITE IS LOCATED NEAR A GROUNDWATER DIVIDE. HOWEVER, THE FLOW DIRECTION IS E IN THE LOWER SILVERADO AND LYNWOOD AQUIFERS.
Measured Depth to Water:	unknown.
Hydraulic Connection:	The uppermost sediments at the site are the Lakewood formation silts and clays that extend to a depth of approximately 280 feet. The Gardena aquifer is situated at the base of the Lakewood formation. The lower aquifers include the Lynwood and Silverado.
Sole Source Aquifer:	No information about a sole source aquifer is available
Data Quality:	Information is inferred in the CERCLIS investigation report(s)

* ©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

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
B12	1/2 - 1 Mile WSW	S
1G	1/2 - 1 Mile WSW	S

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).

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. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: URBAN LAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 10 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures:
sandy loam
gravelly - sandy loam
silt loam
clay
fine sand
gravelly - sand
sand
fine sandy loam

Surficial Soil Types:
sandy loam
gravelly - sandy loam
silt loam
clay
fine sand
gravelly - sand
sand
fine sandy loam

Shallow Soil Types:
fine sandy loam
gravelly - loam
sandy clay
sandy clay loam
clay
silty clay
sand

Deeper Soil Types:
gravelly - sandy loam
sandy loam
very gravelly - sandy loam
stratified
very fine sandy loam
weathered bedrock
sand
gravelly - fine sandy loam
silty clay loam
clay loam

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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
1	USGS40000138723	1/4 - 1/2 Mile East
A4	USGS40000138738	1/2 - 1 Mile ENE
A5	USGS40000138737	1/2 - 1 Mile ENE
A6	USGS40000138740	1/2 - 1 Mile ENE
A7	USGS40000138739	1/2 - 1 Mile ENE
A8	USGS40000138736	1/2 - 1 Mile ENE
10	USGS40000138688	1/2 - 1 Mile ESE
B11	USGS40000138669	1/2 - 1 Mile WSW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A2	CADW60000005101	1/2 - 1 Mile ENE
A3	CADW60000003950	1/2 - 1 Mile ENE
9	4193	1/2 - 1 Mile NNW

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	CAOG11000213993	1/4 - 1/2 Mile NNE
2	CAOG11000200648	1/2 - 1 Mile ENE
3	CAOG11000204796	1/2 - 1 Mile WSW
A4	CAOG11000204938	1/2 - 1 Mile South
A5	CAOG11000204937	1/2 - 1 Mile South

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
6	CAOG11000205071	1/2 - 1 Mile SW
7	CAOG11000204722	1/2 - 1 Mile SW

PHYSICAL SETTING SOURCE MAP - 5581670.2s

- 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:	Gardena Pumping Plant	CLIENT:	Dudek & Associates
ADDRESS:	Not Reported Gardena CA 90247	CONTACT:	Audrey Herschberger
LAT/LONG:	33.873122 / 118.312316	INQUIRY #:	5581670.2s
		DATE:	March 06, 2019 4:21 pm

Copyright © 2019 EDR, Inc. © 2015 TomTom Rel. 2015.

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

1
East
1/4 - 1/2 Mile
Lower

FED USGS **USGS40000138723**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	003S014W25P004S	Type:	Well
Description:	Not Reported	HUC:	18070104
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:	734
Well Depth Units:	ft	Well Hole Depth:	751
Well Hole Depth Units:	ft		

A2
ENE
1/2 - 1 Mile
Lower

CA WELLS **CADW60000005101**

Objectid:	5101	Latitude:	33.876516
Longitude:	-118.299908	Site code:	338765N1182999W001
State well numbe:	03S14W25K008S	Local well name:	'Gardena2_2'
Well use id:	1	Well use descrip:	Observation
County id:	19	County name:	Los Angeles
Basin code:	'4-11.03'	Basin desc:	West Coast
Dwr region id:	80238	Dwr region:	Southern Region Office
Site id:	CADW60000005101		

A3
ENE
1/2 - 1 Mile
Lower

CA WELLS **CADW60000003950**

Objectid:	3950	Latitude:	33.876516
Longitude:	-118.299908	Site code:	338765N1182999W002
State well numbe:	03S14W25K011S	Local well name:	'Gardena2_5'
Well use id:	1	Well use descrip:	Observation
County id:	19	County name:	Los Angeles
Basin code:	'4-11.03'	Basin desc:	West Coast
Dwr region id:	80238	Dwr region:	Southern Region Office
Site id:	CADW60000003950		

A4
ENE
1/2 - 1 Mile
Lower

FED USGS **USGS40000138738**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	003S014W25K009S	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:	20020822	Well Depth:	630
Well Depth Units:	ft	Well Hole Depth:	1398.5
Well Hole Depth Units:	ft		

A5
ENE **FED USGS** **USGS40000138737**
1/2 - 1 Mile
Lower

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	003S014W25K008S	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:	20020822	Well Depth:	790
Well Depth Units:	ft	Well Hole Depth:	1398.5
Well Hole Depth Units:	ft		

A6
ENE **FED USGS** **USGS40000138740**
1/2 - 1 Mile
Lower

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	003S014W25K011S	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:	20020822	Well Depth:	255
Well Depth Units:	ft	Well Hole Depth:	1398.5
Well Hole Depth Units:	ft		

A7
ENE **FED USGS** **USGS40000138739**
1/2 - 1 Mile
Lower

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	003S014W25K010S	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:	20020822	Well Depth:	360
Well Depth Units:	ft	Well Hole Depth:	1398.5
Well Hole Depth Units:	ft		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A8
ENE **FED USGS** **USGS40000138736**
1/2 - 1 Mile
Lower

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	003S014W25K007S	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:	20020822	Well Depth:	1375
Well Depth Units:	ft	Well Hole Depth:	1398.5
Well Hole Depth Units:	ft		

9
NNW **CA WELLS** **4193**
1/2 - 1 Mile
Higher

Seq:	4193	Prim sta c:	03S/14W-22R02 S
Frds no:	1910155017	County:	19
District:	15	User id:	MET
System no:	1910155	Water type:	G
Source nam:	WELL 15-A - DESTROYED	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	335300.0	Longitude:	1181900.0
Precision:	8	Status:	DS
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:	1910155	System nam:	SCWC - SOUTHWEST
Hqname:	SOUTHERN CALIF WATER CO	Address:	17140 S. AVELON BLVD.,STE 100
City:	CARSON	State:	CA
Zip:	90746	Zip ext:	Not Reported
Pop serv:	141449	Connection:	49234
Area serve:	SOUTHWEST		

10
ESE **FED USGS** **USGS40000138688**
1/2 - 1 Mile
Lower

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	003S014W25K006S	Type:	Well
Description:	Not Reported	HUC:	18070104
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:	120
Well Depth Units:	ft	Well Hole Depth:	120
Well Hole Depth Units:	ft		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
B11 **WSW** **1/2 - 1 Mile** **Higher**	**FED USGS**	**USGS40000138669**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	003S014W33E001S	Type:	Well
Description:	Not Reported	HUC:	18070104
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:	228
Well Depth Units:	ft	Well Hole Depth:	228
Well Hole Depth Units:	ft		

B12 **WSW** **1/2 - 1 Mile** **Higher**	Site ID:	905040193	**AQUIFLOW**	**69720**
	Groundwater Flow:	S		
	Shallow Water Depth:	31		
	Deep Water Depth:	34		
	Average Water Depth:	Not Reported		
	Date:	04/27/1999		

1G **WSW** **1/2 - 1 Mile** **Lower**	Site ID:	905040193	**AQUIFLOW**	**69720**
	Groundwater Flow:	S		
	Shallow Water Depth:	31		
	Deep Water Depth:	34		
	Average Water Depth:	Not Reported		
	Date:	04/27/1999		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

1
NNE **OIL_GAS** **CAOG11000213993**
1/4 - 1/2 Mile

Districtnu:	1	Apinumber:	03720096
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	Y	Wellstatus:	P
Operatorna:	Union Oil Company of California	Countyname:	Los Angeles
Fieldname:	Any Field	Areaname:	Any Area
Section:	26	Township:	03S
Range:	14W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Gardena E.H.	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000213993		

2
ENE **OIL_GAS** **CAOG11000200648**
1/2 - 1 Mile

Districtnu:	1	Apinumber:	03700010
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	Y	Wellstatus:	P
Operatorna:	Union Oil Company of California	Countyname:	Los Angeles
Fieldname:	Any Field	Areaname:	Any Area
Section:	25	Township:	03S
Range:	14W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Gardena E.H.	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	PDH
Site id:	CAOG11000200648		

3
WSW **OIL_GAS** **CAOG11000204796**
1/2 - 1 Mile

Districtnu:	1	Apinumber:	03705615
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	Y	Wellstatus:	P
Operatorna:	Marathon Oil Company	Countyname:	Los Angeles
Fieldname:	Any Field	Areaname:	Any Area
Section:	35	Township:	03S
Range:	14W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	R. H. Fish	Wellnumber:	1

Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000204796		

A4
South
1/2 - 1 Mile

OIL_GAS **CAOG11000204938**

Districtnu:	1	Apinumber:	03705809
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	B
Operatorna:	Barnett Rosenburg	Countyname:	Los Angeles
Fieldname:	Any Field	Areaname:	Any Area
Section:	35	Township:	03S
Range:	14W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Not Reported	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000204938		

A5
South
1/2 - 1 Mile

OIL_GAS **CAOG11000204937**

Districtnu:	1	Apinumber:	03705808
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	B
Operatorna:	Barnett Rosenburg	Countyname:	Los Angeles
Fieldname:	Any Field	Areaname:	Any Area
Section:	35	Township:	03S
Range:	14W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Not Reported	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000204937		

6
SW
1/2 - 1 Mile

OIL_GAS **CAOG11000205071**

Districtnu:	1	Apinumber:	03706012
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	B

Operatorna:	L. F. Stephenson	Countyname:	Los Angeles
Fieldname:	Any Field	Areaname:	Any Area
Section:	35	Township:	03S
Range:	14W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Not Reported	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000205071		

7
SW
1/2 - 1 Mile

OIL_GAS **CAOG11000204722**

Districtnu:	1	Apinumber:	03705513
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	Y	Wellstatus:	P
Operatorna:	Imperial Gypsum & Oil Corp.	Countyname:	Los Angeles
Fieldname:	Any Field	Areaname:	Any Area
Section:	35	Township:	03S
Range:	14W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Mcdowell Community	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000204722		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
90247	21	0

Federal EPA Radon Zone for LOS ANGELES County: 2

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 LOS ANGELES COUNTY, CA

Number of sites tested: 63

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.711 pCi/L	98%	2%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.933 pCi/L	100%	0%	0%

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 and 2010 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.

STATE RECORDS

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.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations
Source: Department of Conservation
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

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.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

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

© 2015 TomTom North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

Attachment B

Los Angeles County Department of Public Works File

013174-013475 2B

SEARS ROEBUCK CO

1917 W ARTESIA BLVD

GARDENA 90247

013174-013475

Cal/EPA

Los Angeles
Regional Water
Quality Control
Board

101 Centre Plaza Drive
Monterey Park, CA
91754-2156
(213) 266-7500
FAX (213) 266-7600

Pete Wilson
Governor

December 6, 1996

Mr. Scott Demuth
Sears, Roebuck and Company
Department 8-24C, A2-158B
3333 Beverly Road
Hoffman Estates, IL 60179

C182546

UNDERGROUND STORAGE TANK CASE CLOSURE
SEARS, ROEBUCK AND COMPANY
1917 WEST ARTESIA BOULEVARD, GARDENA, CALIFORNIA
(FILE NO. 902470061)

Dear Mr. Demuth:

This letter confirms the completion of the site investigation and remedial action for the underground storage tank(s) formerly located at the above-described location.

Based on the available information and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the underground storage tank release is required.

This notice is issued pursuant to a regulation contained in Title 23, California Code of Regulations, Division 3, Chapter 16, Section 2721(e).

If you have groundwater monitoring wells or vapor extraction wells at the subject property, you must comply with the following:

1. All wells must be located and properly abandoned.

2. Well abandonment permits must be obtained from the Los Angeles County Department of Health Services, and all other necessary permits must be obtained from the appropriate agencies prior to the start of work.

3. You must submit a report on the abandonment of the wells to this office by January 31, 1997. This report must include, at a minimum, a site map, a description of the well abandonment process, and copies of all signed permits.

L 182545

Recycled Paper

Please contact Yue Rong at (213) 266-7604 if you have any questions regarding this matter.

Sincerely,

ROBERT P. GHIRELLI, D. Env.
Executive Officer

ROY R. SAKAIDA
Supervising Water Resources Control Engineer
Underground Tanks Section

cc: Mr. David Deaner, State Water Resources Control Board, Underground Storage Tank Cleanup Fund
Mr. Alfredo Cardenas, Water Replenishment District of Southern California
Mr. Al Bragg, Los Angeles County Department of Health Services, Water Well Permits
Mr. Carl Sjoberg, Los Angeles County Department of Public Works, Environmental Programs Division

Recycled Paper

COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
1540 ALCAZAR STREET
LOS ANGELES, CALIFORNIA 90033
Telephone: (213) 226-8111

THOMAS A. TIDEMANSON, Director
WYNN SMITH, Chief Deputy Director
CECIL BUGH, Assistant Director

ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 4089
LOS ANGELES, CALIFORNIA 90051

File

October 22, 1987

IN REPLY PLEASE
REFER TO FILE:
I-13475

Mr. Empey
Sears Roebuck and Company
Sears Tower
Chicago, IL 60684

Dear Mr. Empey:

HAZARDOUS MATERIALS UNDERGROUND STORAGE
SITE INVESTIGATION REPORT
FACILITY AT: 1917 West Artesia Boulevard, Gardena, CA 90247

This office has revised the site investigation report submitted for the above facility. The report is not approved because of the reasons checked below:

[ ] The exact extent of contamination has not been defined. _____

[ ] The proposed remedial action is inadequate. _____

[x] There is significant contamination at this site. Pursuant to Section 25297(b) of the California Health and Safety Code, we are referring the matter to the State Regional Water Quality Control Board. For further information regarding the Board's requirements, please contact Mr. Joshua Workman at 107 S. Broadway, Room 4027, Los Angeles, CA 90012, (213) 620-5662. All future correspondence shall be directed to the Board with a copy sent to this office.

[ ] Other _____

Make the required corrections as indicated above and submit a revised report to this office by _____.

If you have any questions concerning this matter, please contact Mr. John Huff at (213) 226-4018.

Very truly yours,

T. A. TIDEMANSON
Director of Public Works

By _____
Waste Management Division

cc: California Water Quality Control Board
Wilfred Wiersma
SI102 8/86

I-13475

County of Los Angeles
Department of Public Works

PROPOSITION 65
HAZARDOUS WASTE RELEASE REPORT

Date of Release: __/__/__ (MM DD YY), Unknown [X]. Date DPW Notified: 8/27/87 (MM DD YY)

==========

SITE DATA

==========

Location 1917 ARTESIA BLVD
Unincorporated Area [ ], City of GARDENA [ ]

Responsible Party SEARS, ROEBUCK & CO. Unknown [ ]

Address: 1917 ARTESIA BLVD City: GARDENA Zip: 90247

Contact Person: MR. WARFIELD Phone (818) 576-4301
Owner [ ], Operator [ ], Referral [ ], Other [ ]

==========

RELEASE DATA

==========

Hazard to Resource: Actual [X], Threatened [ ]

Resource At Risk: Air [ ], Soil [X], Building [ ], Groundwater [X],
Surface waters [ ], Ocean [ ], Stream [ ], River [ ], Lake [ ],
Storm drain [ ], POTW [ ], Other [ ]

Hazardous Waste/Material Released: Fuels [X], Solvents [ ], PCBs [ ],
Heavy metals [ ], Acids [ ], Caustics [ ], Pesticides [ ],
Organics [ ], Inorganics [ ], Other [ ]

Name/amount of Material(s): GASOLINE

Source of Release: Underground tank [X], Surface tank [ ], Drums [ ],
Vehicle accident [ ], Waste treatment system [ ], Pipeline [ ],
"Midnight dumping" [ ], Other [ ], Unknown [ ]

Release Verified by DPW: Y [X], N [ ]. Date: 9/17/87
DPW Investigation Continues: Y [ ], N [X]

Action Taken/Referred to: REFERED TO SRWQCB

==========

INFORMATION SOURCE

==========

Complaint [ ], Self-monitoring report [ ], Tank test [ ], Referral [ ],
Inspection [ ], Tank closure [ ], Site assessment [ ], Inventory
reconciliation [ ], Monitoring well [X], Other [ ]

==========

This report is made on behalf of all designated employees of the Los Angeles County Department of Public Works.

Prepared by: CARL W. SJOBERG Title: MECH. ENG. SPECIALIST

Signature: Carl W. Sjoberg Date: 9-17-87

cc: Board of Supervisors [ ], Health Officer [ ], District Attorney [ ]

COUNTY OF LOS ANGELES - DEPARTMENT OF HEALTH SERVICES
PROPOSITION 65 SUPPLEMENTAL INFORMATION FORM

HMCP LOG # 969

1. DATE AND TIME INCIDENT OCCURRED: __/__/__, _____ AM/PM

2. DATE AND TIME INFORMATION WAS OBTAINED: __/__/__, _____ AM/PM

3. LOCATION OF DISCHARGE _____

NAME / DBA _____

ADDRESS _____

CITY, ZIP _____

4. MATERIAL INVOLVED GASOLINE
FORM: [X] Liquid [ ] Solid [ ] Gas / Vapor

QUANTITY UNK Pounds / Gallons (circle one)

5. NATURE OF MATERIAL: [X] Ignitable [ ] Corrosive [ ] Explosive
[ ] Reactive [X] Toxic
Is the material in a container? yes [ ] or no [X]. If yes, describe:

6. DESCRIPTION OF INCIDENT OR THREAT
Deposited on soil [X], on pavement [ ], released to storm drain [ ], or other GROUNDWATER @ 20' DEPTH.
Location on private property [ ], on public property [ ], or both [ ].

7. ASSESSMENT OF IMPACT ON PUBLIC HEALTH OR SAFETY
Section 25180.7 (b) of the California Health and Safety Code requires that the designated government employee must know that a discharge or threatened discharge of hazardous waste is likely to cause substantial injury to the public health or safety to meet this disclosure requirement.

In your professional opinion, does this release or threatened release meet with the provisions specified above? Yes [X] or No [ ]

Number of reported illnesses _____ Number receiving medical treatment _____
Potential routes of exposure: [ ] Inhalation [X] Ingestion (through drinking water)
[ ] Skin Contact
Was chemical analysis performed on material? yes [X] or no [ ]
If yes, please attach a copy of lab report. TOTAL PETROLEUM HYDROCARBON = 2000 ppb
BENZENE = 35 ppb
XYLENE = 15 ppb

8. CORRECTIVE ACTION
Were corrective actions taken? yes [ ] or no [ ]
If yes, are corrections completed? yes [ ] or no [ ]

9. REFERRALS
Agency CALIF. REGIONAL WATER QUALITY CONTROL BOARD Referral Date 9/15/87
Agency _____ Referral Date __/__/__

10. FORM COMPLETED BY [signature] TEL # (213) 226-4019 DATE 1/7/87
AGENCY L.A. Co. D.P.W.

COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
P.O. BOX 4089 TERMINAL ANNEX
LOS ANGELES, CALIFORNIA 90051

RECEIVED
SEP 28 1987
DEPARTMENT OF PUBLIC WORKS
ENGINEERING SERVICES DIVISION

LOS ANGELES CALIF. SEP 18 '87

U.S. POSTAGE 22

'87 SEP 28 A10:19

L.A. CO. PUB. WORKS DEPT.

Waste

UNK 4723

ADDRESSEE
UNKNOWN
RETURN TO SENDER

GARDENA, CA
SEP 19
A 1
1987

COUNTY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

1540 ALCAZAR STREET
LOS ANGELES, CALIFORNIA 90033
Telephone: (213) 226-8111

THOMAS A. TIDEMANSON, Director
WYNN SMITH, Chief Deputy Director
CECIL BUGH, Assistant Director

ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 4089
LOS ANGELES, CALIFORNIA 90051

This letter undeliverable
Another letter is being
sent to Chicago Headquarters
to Mr Empley.

September 15, 1987

IN REPLY PLEASE
REFER TO FILE:
I-13475-2B

Mr. Warfield
Sears Roebuck, and Co.
1917 West Artesia Boulevard
Gardena, CA 90247

Dear Mr. Warfield

HAZARDOUS MATERIALS UNDERGROUND STORAGE
SITE INVESTIGATION REPORT
FACILITY AT: 1917 Artesia

This office has revised the site investigation report submitted for the above facility. The report is not approved because of the reasons checked below:

[ ] The exact extent of contamination has not been defined. _____

[ ] The proposed remedial action is inadequate. _____

[X] There is significant contamination at this site. Pursuant to Section 25297(b) of the California Health and Safety Code, we are referring the matter to the State Regional Water Quality Control Board. For further information regarding the Board's requirements, please contact Mr. Joshua Workman at 107 S. Broadway, Room 4027, Los Angeles, CA 90012, (213) 620-5662. All future correspondence shall be directed to the Board with a copy sent to this office.

[ ] Other _____

Make the required corrections as indicated above and submit a revised report to this office by _____.

If you have any questions concerning this matter, please contact Kelsey Schwartz at (213) 226-4437.

Very truly yours,

T. A. TIDEMANSON
Director of Public Works

By _____
Waste Management Division

cc: P.I.C.

COUNTY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

1540 ALCAZAR STREET
LOS ANGELES, CALIFORNIA 90033
Telephone: (213) 226-8111

THOMAS A. TIDEMANSON, Director
WYNN SMITH, Chief Deputy Director
CECIL BUGH, Assistant Director

ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 4089
LOS ANGELES, CALIFORNIA 90051

September 15, 1987

IN REPLY PLEASE
REFER TO FILE:
I-13475-2B

Mr. Warfield
Sears Roebuck, and Co.
1917 West Artesia Boulevard
Gardener, CA

Dear Mr. Warfield

HAZARDOUS MATERIALS UNDERGROUND STORAGE
SITE INVESTIGATION REPORT
FACILITY AT: 1917 Artesia

This office has revised the site investigation report submitted for the above facility. The report is not approved because of the reasons checked below:

[ ] The exact extent of contamination has not been defined. _____

[ ] The proposed remedial action is inadequate. _____

[X] There is significant contamination at this site. Pursuant to Section 25297(b) of the California Health and Safety Code, we are referring the matter to the State Regional Water Quality Control Board. For further information regarding the Board's requirements, please contact Mr. Joshua Workman at 107 S. Broadway, Room 4027, Los Angeles, CA 90012, (213) 620-5662. All future correspondence shall be directed to the Board with a copy sent to this office.

[ ] Other _____

Make the required corrections as indicated above and submit a revised report to this office by _____.

If you have any questions concerning this matter, please contact Kelsey Schwartz at (213) 226-4437.

Very truly yours,

T. A. TIDEMANSON
Director of Public Works

By _____
Waste Management Division

cc: P.I.C.

SI103 9/86

RECEIVED
AUG 27 1987
DEPARTMENT OF PUBLIC WORKS
ENGINEERING SERVICES DIVISION

810.75

WASTE

SITE INVESTIGATION
GEOLOGIC REPORT

for

SEARS, ROEBUCK, INC.
1917 Artesia Blvd.
Gardena, CA

August 13, 1987

L.A. CO. PUB. WORKS DEPT.

'87 AUG 25 P1:27

RECEIVED

TABLE OF CONTENTS

TEXT

Introduction 1

Procedure..... 2

Geology..... 3

Testing Results..... 3

Conclusions & Recommendations..... 4

DISPLAYS

Figure 1: Site Sketh Map

Figure 2: Well Completion Diagram

Appendix A: L. A. County Determination Letter

Appendix B: Boring Logs

Appendix C: Chain of Custody

Appendix D: Laboratory Results

PIC
PETROLEUM INDUSTRY CONSULTANTS, INC.

5455
GARDEN GROVE
BOULEVARD,
WESTMINSTER,
CALIFORNIA
92683

INTRODUCTION

A single 10,000 gallon gasoline tank was removed from the Sears facility in Gardena on May 13, 1987. Three samples were recovered beneath the tank and transported to a laboratory for quantitative analysis for total petroleum hydrocarbons (TPH). The sample recovered under the south end of the tank had a reported TPH level of 9,300 ppm (see previously submitted tank removal report). Thus, on June 1, 1987, P.I.C. registered geologist Tim Hersch attempted to recover a deeper sample under the south end of the excavated tank pit. He was able to bore down approximately 7 feet beneath tank bottom to a total depth of 20 feet below grade. At that depth he encountered a perched water horizon and thus did not recover a soil sample.

In order to determine the vertical and lateral extent of contamination in accordance with Los Angeles County Determination letter (Appendix A) and to establish the impact on groundwater, two groundwater monitoring wells were completed on July 1, 1987.

Soil samples were recovered during drilling and groundwater samples were recovered subsequent to proper well development. These samples were analyzed for total petroleum hydrocarbons and aromatic volatile organics as appropriate.

PROCEDURE

A B53 drilling rig was used to complete two vertical groundwater monitoring wells on July 1, 1987 (for well locations see Figure 1; Site Sketch Map). Soil samples were recovered during drilling at a depth of 5', 10', and 20' in both borings (see Appendix B; Boring Logs). Soil samples were recovered with a three-inch split-spoon sampler and inserted brass rings. The brass rings were sealed with teflon caps, placed in ice, and transported to Chemical Research Labortories for quantitative analysis.

Groundwater was encountered in B1 and B2 at a measured depth of 20' and 22' below grade, respectively. Drilling continued to a total depth of 42 feet in both borings, and groundwater wells were completed. Slotted 4" PVC casing extended from a depth of 11' to 42' below ground surface. Monterey #3 sand was used as a filter pack and extended from well bottom to the top of the slotted casing. Blank 4" PVC casing was set from a depth of 11' below surface to grade. A 1' bentonite seal was placed above the filter pack. Cement slurry filled the remaining annulus from 10' below surface to grade. Caps were placed on both ends of the casing and the water tight wellhead was fixed in a locking traffic box.

The wells recovered for over two weeks before water sampling. On July 17, 1987 PIC geologist Mr. Don Prince returned to the site and recovered one groundwater sample from each well. An appropriate volume of water was pre-bailed from the wells to ensure the recovery of representative samples. The samples were recovered with an acrylic bailer, placed on ice, and transported to Chemical Research Laboratories (see Appendix C; Chain of Custody). Neither of the water samples recovered from the wells had any field evidence of petroleum hydrocaron contamination.

GEOLOGY

Boring activity at the Sears facility revealed that the soil types underlying and surrounding the tank pit are composed of approximately 20' of gray to brown, cohesive clay overlying fine grained, micaceous, clayey sand. The elevation of the tank pit site is approximately 50' above sea level. Depth to groundwater is approximately 20' below surface, with east being the most likely direction of groundwater flow.

TESTING RESULTS

The soil and groundwater samples were transported the same day as recovery to Chemical Research Laboratories in Stanton. The soil samples collected on July 1, 1987 were tested for total petroleum hydrocarbons using EPA method 8015. The groundwater samples were tested for total petroleum hydrocarbons using EPA method 8015 and for aromatic volatile organics (BTX) using EPA method 602.

All of the soil samples except the one recovered from a depth of 20' below grade in B2 exhibited nondetectible levels of

total petroleum hydrocarbons. Sample B2 - 20' measured a total petroleum hydrocarbon concentration of 40 ppm. The groundwater sample recovered from B1 measured nondetectable total petroleum hydrocarbon and BTX concentrations at a detection limit of 100 ppb and 1 ppb respectively. The groundwater sample recovered from B2 measured a total petroleum hydrocarbon concentration of 2000 ppb, benzene concentration of 35 ppb, and a total xylene concentration of 15 ppb. Toluene and ethyl benzence were non detected at 10 ppb (see Appendix D; Laboratory Results).

CONCLUSIONS AND RECOMMENDATIONS

The drilling activity and groundwater investigation at the Sears facility suggest that although contamination does exist in the soil directly underlying the tank pit, soil contamination does not extend laterally, even in the down gradient direction. In addition, the vertical migration of the contaminant is confined by groundwater at a depth of 20'.

Based on these conclusions, PIC recommends that the gasoline-contaminated soil which was both removed from the tank pit and still underlies the former tank be excavated, spread, and passively soil farmed on the site. The Sears/Gardena facility is ideal for soil farming because a large paved area is available for spreading the soil, the farm can be placed over 300' from the nearest street, and the facility is located in an industrial area of Gardena so that a soil farm would present no substantial nuisance to residents. In addition, the volatility of gasoline results in a rapid attenuation of TPH levels in soil when

passively farmed. Upon documentation of successful soil remediation by passive aeration, the soil will be used as fill material in the excavated tank pit. Remediation of impacted groundwater will be coordinated with appropriate agencies including the California Regional Water Quality Control Board.

This report is proprietary and confidential, to be delivered to, and intended for the exclusive use of, the above named client only. Petroleum Industry Consultants, Inc. assumes no responsibility nor liability for the reliance herein or use hereof by anyone other than the above named client. In addition, all of the lab work cited in this report was prepared under the supervision of Mike Hiatt of Chemical Research Laboratories, Stanton, and is solely responsible for the contents and conclusions of the laboratory data.

Should you have any additional questions or comments regarding the procedures or results outlined in this report, please do not hesitate to call us at 714/898-6399.

Respectfully submitted,

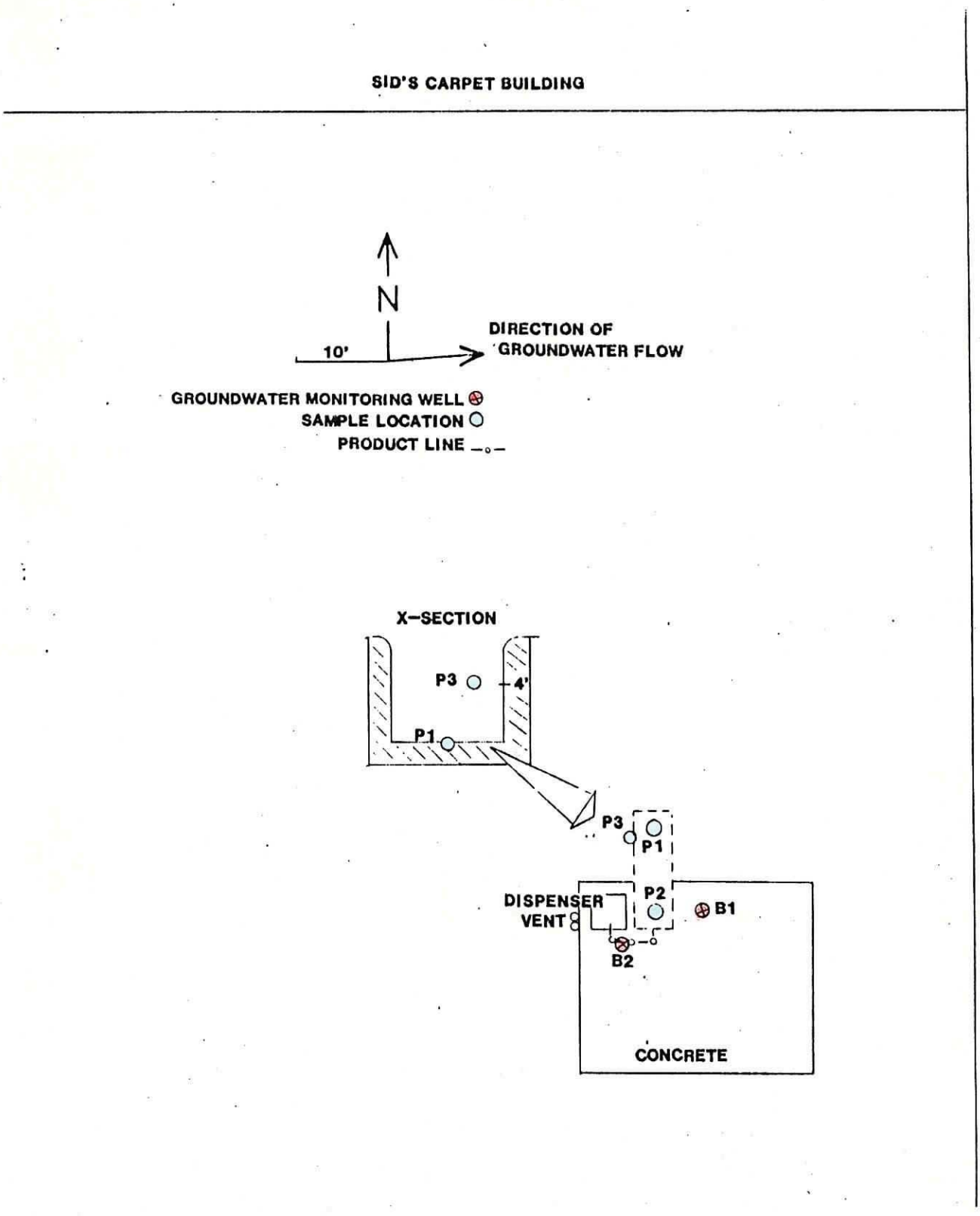
Matt Naftaly

Matt Naftaly
PIC Staff Geologist

J. Tim Hersch
California Registered Geologist #4082

MEN/ls

Figure 1:



PETROLEUM INDUSTRY CONSULTANTS, INC.
WESTMINSTER, CA 92683

HANKS/SEARS
1917 Artesia Blvd.
Gardena, California

REVISED	BY	PREPARED BY	CHECKED BY	GEOLOGICAL DRAWING NUMBER
		M.N.		
		SCALE	DATE	
			5/87	E 461

APPENDIX A:
LOS ANGELES COUNTY DETERMINATION LETTER

COUNTY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

1540 ALCAZAR STREET
LOS ANGELES, CALIFORNIA 90033
Telephone: (213) 226-8111

THOMAS A. TIDEMANSON, Director
WYNN SMITH, Chief Deputy Director
CECIL BUGH, Assistant Director

ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 4089
LOS ANGELES, CALIFORNIA 90051

IN REPLY PLEASE REFER TO FILE: I-13475-2B

June 15, 1987

Mr. Warfield
Sid's Carpets
1917 West Artesia
Gardena, CA

Dear Mr. Warfield:

HAZARDOUS MATERIAL UNDERGROUND STORAGE
CLOSURE/SITE ASSESSMENT REPORT
CLOSURE PERMIT NO. 2683B
FACILITY LOCATION: 1917 West Artesia

This office has reviewed the closure report submitted on June 3, 1987, for the subject facility.

In order to better evaluate the report, the information indicated on the attached Additional Closure Requirements sheet must be submitted to this office by June 30, 1987.

If you have any questions regarding this matter, please contact Ms. Kelsey Schwartz at (213) 226-4437.

Very truly yours,

T. A. TIDEMANSON
Director of Public Works

By Kelsey Schwartz
Waste Management Division

Enc.

cc: Petroleum Industry Consultants

CL207 3/87

ADDITIONAL CLOSURE REQUIREMENTS

The additional information or requirements checked below must be submitted to the Los Angeles County Department of Public Works, Waste Management Division, P.O. Box 4089, Los Angeles, CA 90051, in order to complete the evaluation of Closure Permit No. 2683B.

[ ] Plot plan to scale showing locations of tanks, sampling points, buildings, adjacent streets and north arrow.

[ ] Insufficient number of samples were obtained. Additional samples required in accordance with attached Closure Permit Requirements.

[ ] Describe method of obtaining, handling, and/or transporting samples.

[ ] Indicate time and date samples were obtained.

[ ] Submit logs certified by a CA Registered Geologist, CA Certified Engineering Geologist, or CA Registered Civil Engineer with sufficient experience in soils for all borings.

[ ] Submit chain-of-custody documentation initiated by person obtaining sample through person at DOHS certified laboratory.

[X] Disposal destination of tanks and evidence of legal disposal.

[ ] Analysis results by a State certified laboratory shall be submitted on laboratory letterhead showing analysis date, methods of extraction and methods of analysis.

[ ] Documentation as to depth of groundwater at facility.

[ ] Manifests to document hazardous waste disposal of removed soil.

[ ] Signature on the report is required of CA Registered Geologist, CA Certified Engineering Geologist, or CA Registered Civil Engineer with sufficient experience in soils.

[X] Define the vertical and lateral extent of contamination.

[X] Propose a remedial action plan to mitigate contamination.

[ ] Other _____

_____

_____

CL207 3/87

APPENDIX B:
BORING LOGS

Client Hanks/Sears (Gardena) Project No. E540 Boring B1

Location East of Pit Well/Boring Vertical Well Date 7/1/87
Drilling Co. Drill-Line Driller Buck Rig B53
Casing Diam. 4" Filter Pack Monterey #3 Sand H_2O Depth 20'
No. of Samples 3 Total Depth 42'
Perforations: 11'-42'

	Description	Lithology	H-nu (ppm)	Sample No.	Sample Interval	Comments
	Asphalt					Start 8:30 AM
	Clay; grayish-brown, moist, very cohesive, no odor					
5 Core B1-5'	Clay; dark brown, very hard and cohesive, very organic			1		
	light brown					
10 Core B1-10'	Clay; light brown, gray patches, hard, cohesive some organic material, slight odor?			2		
15	Clay; gray, no organic material, slight odor					
20 Core B1-20'	Clayey Sand; grayish-brown, fine grained, well sorted, wet, slight odor, encountered water			3		Drilling problems due to mud resistance
						Finish 1:40 PM
5						
30						

Client Hanks/Sears (Gardena) Project No. E540 Boring B2

Location South of Pit Well/Boring Vertical Well Date 7/1/87
Drilling Co. Drill-Line Driller Buck Rig B53
Casing Diam. 4" Filter Pack Monterey #3 Sand H_2O Depth 22'
No. of Samples 3 Total Depth 42'
Perforations: 11'-42'

	Description	Lithology	H-nu (ppm)	Sample No.	Sample Interval	Comments
	Asphalt					Start 2:25 PM
	Clay; dark gray, very hard, cohesive, no odor					
5	Core B2-5' Clay; dark gray, very hard and cohesive, sli odor(gas)			1		
10	Core B2-10' Clay; light gray, organic rich, no odor			2		
15	no organic material					
	gas odor begins					
20	Core B2-20' Clayey Sand; light brown, fine grained, micaceous, moist strong odor			3		Water encountered
						Finish 7:00 PM
5						

APPENDIX C:

CHAIN OF CUSTODY

CHEMICAL RESEARCH LABORATORIES, INC.
11631 SEABOARD CIRCLE, STANTON, CA 90680
TEL. NOS.: (714) 898-6370 (213) 598-0458

- ORANGE COUNTY
- VENTURA
- SANTA MARIA
- BAKERSFIELD
- L.A. COUNTY

CHAIN OF CUSTODY RECORD

Date 7/2/87 Page 1 of 1

CLIENT PIC

ADDRESS 5455 Garden Grove Blvd
Wesminster, California

PROJECT MANAGER
Tim Hersch

PHONE NUMBER
714 898-6399

PROJECT NAME
E 540 Hanks / Sears

SAMPLERS: (Signature)
Matt Naftaly

SAMPLE NUMBER	LOCATION DESCRIPTION	DATE	TIME	SAMPLE TYPE WATER Comp.	WATER Grab.	AIR	SOLID	NO. OF CNTNRS	TESTS REQUIRED
B1-5'	East of pit	7/1	11:00am				✓	1	EPA 8015
B1-10'	" " "	7/1	12:00				✓	1	" "
B1-20'	" " "	7/1	1:00pm				✓	1	" "
B2-5'	South of pit	7/1	3:00pm				✓	1	" "
B2-10'	" " "	7/1	4:00pm				✓	1	" "
B2-20'	" " "	7/1	4:40pm				✓	1	" "

Relinquished by: (Signature)

Received by: (Signature)
Linda Salinas
Date/Time 7/2/87 8:20

Relinquished by: (Signature)

Received by: (Signature)
Date/Time

Relinquished by: (Signature)
Matt Naftaly

Received by Mobile Laboratory for field analysis: (Signature)
Date/Time

Dispatched by: (Signature)

Date/Time 7/2 8:15 A.M.

Received for Laboratory by:
Date/Time

Method of Shipment:

Special Instructions:

SOURCE: Adapted from U.S. EPA, 1985

CHEMICAL RESEARCH LABORATORIES, INC.
11631 SEABOARD CIRCLE, STANTON, CA 90680
TEL. NOS.: (714) 898-6370 (213) 598-0458

- ORANGE COUNTY
- VENTURA
- SANTA MARIA
- BAKERSFIELD
- L.A. COUNTY

CHAIN OF CUSTODY RECORD

Date 7/17/87 Page 1 of 1

CLIENT PIC

ADDRESS 5455 GARDEN GROVE BL
WESTMINSTER CA

PROJECT MANAGER J T Hoard

PHONE NUMBER 898 6399

PROJECT NAME
E 540 HANKS/SEARS/GARDENA

SAMPLERS: (Signature) Don Pierce

SAMPLE NUMBER	LOCATION DESCRIPTION	DATE	TIME	SAMPLE TYPE WATER Comp.	SAMPLE TYPE WATER Grab.	SAMPLE TYPE AIR	SOLID	NO. OF CNTNRS	TESTS REQUIRED
B-1	EAST 17'4"	7/17	3p		1			1	8015 and 602
B2	South 17'3"	7/17	320p		1			1	8015 and 602

Relinquished by: (Signature) Don Pierce
Received by: (Signature) Dil Kammerer
Date/Time 7/17/87 1630

Relinquished by: (Signature)
Received by: (Signature)
Date/Time

Relinquished by: (Signature)
Received by Mobile Laboratory for field analysis: (Signature)
Date/Time

Dispatched by: (Signature)
Date/Time
Received for Laboratory by:
Date/Time

Method of Shipment:

Special Instructions:

SOURCE: Adapted from U.S. EPA, 1985

APPENDIX D:
LABORATORY RESULTS

CHEMICAL RESEARCH LABORATORIES

11631 SEABOARD CIRCLE (213) 598-0458
STANTON, CA 90680 (714) 898-6370

LABORATORY REPORT

FROM: PIC
5455 Garden Grove Blvd.
Westminster, CA 92683
ATTN: J. Tim Hersch

NATURE OF SAMPLE:
E540 Hanks/Sears (Soil) / GARDENA

ANALYSIS NO.: 718301-1/6
SAMPLING DATE: 07/01/87
DATE SAMPLE REC'D: 07/02/87
INVOICE NO.:

RESULTS, in mg/kg

SAMPLE IDENTIFICATION	TOTAL PETROLEUM HYDROCARBONS (EPA 8015-MODIFIED)
B1 - 5' East of pit	*ND(1.)
B1 - 10' East of pit	ND(1.)
B1 - 20' East of pit	ND(1.)
B2 - 5' South of pit	ND(1.)
B2 - 10' South of pit	ND(1.)
B2 - 20' South of pit	40.

Note: Samples received chilled, intact and with a chain of custody.

* Not detected (detection limit)

CG
ANALYST

REVIEWED & APPROVED
CHEMICAL RESEARCH LABORATORIES
DATE 7/10/87

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed. Any reproduction of this report or use of this Laboratory's name for advertising or publicity purposes without authorization is prohibited.

Chemical Research Laboratories, Inc.
11631 Seaboard Circle • Stanton, CA 90680
(714) 898-6370 • (213) 598-0458

LABORATORY REPORT

PIC, INC.
5455 Garden Grove Blvd.
Westminster, Ca. 92683
Attn: J.T. Hersch

ANALYSIS NO.: 719815-001/002
ANALYSES: EPA METHOD 602
DATE SAMPLED: 07/17/87
DATE SAMPLE REC'D: 07/20/87
DATE ANALYZED: 07/27/87
SAMPLE TYPE: Liquid
PROJECT: E540 Hanks/Sears/Gardena

BTX EPA METHOD 602, (ug/L)

SAMPLE NUMBER	BENZENE	TOLUENE	ETHYL BENZENE	TOTAL XYLENES
B-1 East 17'4"	ND(0.7)	ND(1.)	ND(1.)	ND(1.)
B-2 South 17'3"	35.	ND(10.)	ND(10.)	15.

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed. Any reproduction of this report or use of this Laboratory's name for advertising or publicity purposes without authorization is prohibited.

Chemical Research Laboratories, Inc.
11631 Seaboard Circle • Stanton, CA 90680
(714) 898-6370 • (213) 598-0458

LABORATORY REPORT

PIC, INC.
5455 Garden Grove Blvd.
Westminster, Ca. 92683
Attn: J.T. Hersch

ANALYSIS NO.: 719815-001/002
ANALYSES: EPA METHOD 8015
DATE SAMPLED: 07/17/87
DATE SAMPLE REC'D: 07/20/87
DATE ANALYZED: 07/27/87
SAMPLE TYPE: Liquid
PROJECT: E540 Hanks/Sears/Gardena

SAMPLE NUMBER	Total Petroleum Hydrocarbons EPA METHOD 8015 (ug/L)
B-1 East 17'4"	ND(100.)
B-2 South 17'3"	2000.

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed. Any reproduction of this report or use of this Laboratory's name for advertising or publicity purposes without authorization is prohibited.

SITE INVESTIGATION
GEOLOGIC REPORT

for

SEARS, ROEBUCK, INC.
1917 Artesia Blvd.
Gardena, CA

August 13, 1987

RECEIVED
SEP 9 1987
DEPT. OF PUBLIC WORKS
ENGINEERING SERVICES DIVISION

TABLE OF CONTENTS

TEXT

Introduction 1

Procedure..... 2

Geology..... 3

Testing Results..... 3

Conclusions & Recommendations..... 4

DISPLAYS

Figure 1: Site Sketh Map

Figure 2: Well Completion Diagram

Appendix A: L. A. County Determination Letter

Appendix B: Boring Logs

Appendix C: Chain of Custody

Appendix D: Laboratory Results

L.A. CO. P[illegible] WORKS DEPT.

'87 AUG 28 PM 2:23

RECEIVED

PETROLEUM INDUSTRY CONSULTANTS, INC.
PIC

5455
GARDEN GROVE
BOULEVARD,
WESTMINSTER,
CALIFORNIA
92683

INTRODUCTION

A single 10,000 gallon gasoline tank was removed from the Sears facility in Gardena on May 13, 1987. Three samples were recovered beneath the tank and transported to a laboratory for quantitative analysis for total petroleum hydrocarbons (TPH). The sample recovered under the south end of the tank had a reported TPH level of 9,300 ppm (see previously submitted tank removal report). Thus, on June 1, 1987, P.I.C. registered geologist Tim Hersch attempted to recover a deeper samole under the south end of the excavated tank pit. He was able to bore down approximately 7 feet beneath tank bottom to a total depth of 20 feet below grade. At that depth he encountered a perched water horizon and thus did not recover a soil sample.

In order to determine the vertical and lateral extent of contamination in accordance with Los Angeles County Determination letter (Appendix A) and to establish the impact on groundwater, two groundwater monitoring wells were completed on July 1, 1987.

Soil samples were recovered during drilling and groundwater samples were recovered subsequent to proper well development. These samples were analyzed for total petroleum hydrocarbons and aromatic volatile organics as appropriate.

PROCEDURE

A B53 drilling rig was used to complete two vertical groundwater monitoring wells on July 1, 1987 (for well locations see Figure 1; Site Sketch Map). Soil samples were recovered during drilling at a depth of 5', 10', and 20' in both borings (see Appendix B; Boring Logs). Soil samples were recovered with a three-inch split-spoon sampler and inserted brass rings. The brass rings were sealed with teflon caps, placed in ice, and transported to Chemical Research Labortories for quantitative analysis.

Groundwater was encountered in B1 and B2 at a measured depth of 20' and 22' below grade, respectively. Drilling continued to a total depth of 42 feet in both borings, and groundwater wells were completed. Slotted 4" PVC casing extended from a depth of 11' to 42' below ground surface. Monterey #3 sand was used as a filter pack and extended from well bottom to the top of the slotted casing. Blank 4" PVC casing was set from a depth of 11' below surface to grade. A 1' bentonite seal was placed above the filter pack. Cement slurry filled the remaining annulus from 10' below surface to grade. Caps were placed on both ends of the casing and the water tight wellhead was fixed in a locking traffic box.

The wells recovered for over two weeks before water sampling. On July 17, 1987 PIC geologist Mr. Don Prince returned to the site and recovered one groundwater sample from each well. An appropriate volume of water was pre-bailed from the wells to ensure the recovery of representative samples. The samples were recovered with an acrylic bailer, placed on ice, and transported to Chemical Research Laboratories (see Appendix C; Chain of Custody). Neither of the water samples recovered from the wells had any field evidence of petroleum hydrocaron contamination.

GEOLOGY

Boring activity at the Sears facility revealed that the soil types underlying and surrounding the tank pit are composed of approximately 20' of gray to brown, cohesive clay overlying fine grained, micaceous, clayey sand. The elevation of the tank pit site is approximately 50' above sea level. Depth to groundwater is approximately 20' below surface, with east being the most likely direction of groundwater flow.

TESTING RESULTS

The soil and groundwater samples were transported the same day as recovery to Chemical Research Laboratories in Stanton. The soil samples collected on July 1, 1987 were tested for total petroleum hydrocarbons using EPA method 8015. The groundwater samples were tested for total petroleum hydrocarbons using EPA method 8015 and for aromatic volatile organics (BTX) using EPA method 602.

All of the soil samples except the one recovered from a depth of 20' below grade in B2 exhibited nondetectible levels of

total petroleum hydrocarbons. Sample B2 - 20' measured a total petroleum hydrocarbon concentration of 40 ppm. The groundwater sample recovered from B1 measured nondetectable total petroleum hydrocarbon and BTX concentrations at a detection limit of 100 ppb and 1 ppb respectively. The groundwater sample recovered from B2 measured a total petroleum hydrocarbon concentration of 2000 ppb, benzene concentration of 35 ppb, and a total xylene concentration of 15 ppb. Toluene and ethyl benzence were non detected at 10 ppb (see Appendix D; Laboratory Results).

CONCLUSIONS AND RECOMMENDATIONS

The drilling activity and groundwater investigation at the Sears facility suggest that although contamination does exist in the soil directly underlying the tank pit, soil contamination does not extend laterally, even in the down gradient direction. In addition, the vertical migration of the contaminant is confined by groundwater at a depth of 20'.

Based on these conclusions, PIC recommends that the gasoline-contaminated soil which was both removed from the tank pit and still underlies the former tank be excavated, spread, and passively soil farmed on the site. The Sears/Gardena facility is ideal for soil farming because a large paved area is available for spreading the soil, the farm can be placed over 300' from the nearest street, and the facility is located in an industrial area of Gardena so that a soil farm would present no substantial nuisance to residents. In addition, the volatility of gasoline results in a rapid attenuation of TPH levels in soil when

passively farmed. Upon documentation of successful soil remediation by passive aeration, the soil will be used as fill material in the excavated tank pit. Remediation of impacted groundwater will be coordinated with appropriate agencies including the California Regional Water Quality Control Board.

This report is proprietary and confidential, to be delivered to, and intended for the exclusive use of, the above named client only. Petroleum Industry Consultants, Inc. assumes no responsibility nor liability for the reliance herein or use hereof by anyone other than the above named client. In addition, all of the lab work cited in this report was prepared under the supervision of Mike Hiatt of Chemical Research Laboratories, Stanton, and is solely responsible for the contents and conclusions of the laboratory data.

Should you have any additional questions or comments regarding the procedures or results outlined in this report, please do not hesitate to call us at 714/898-6399.

Respectfully submitted,

Matt Naftaly

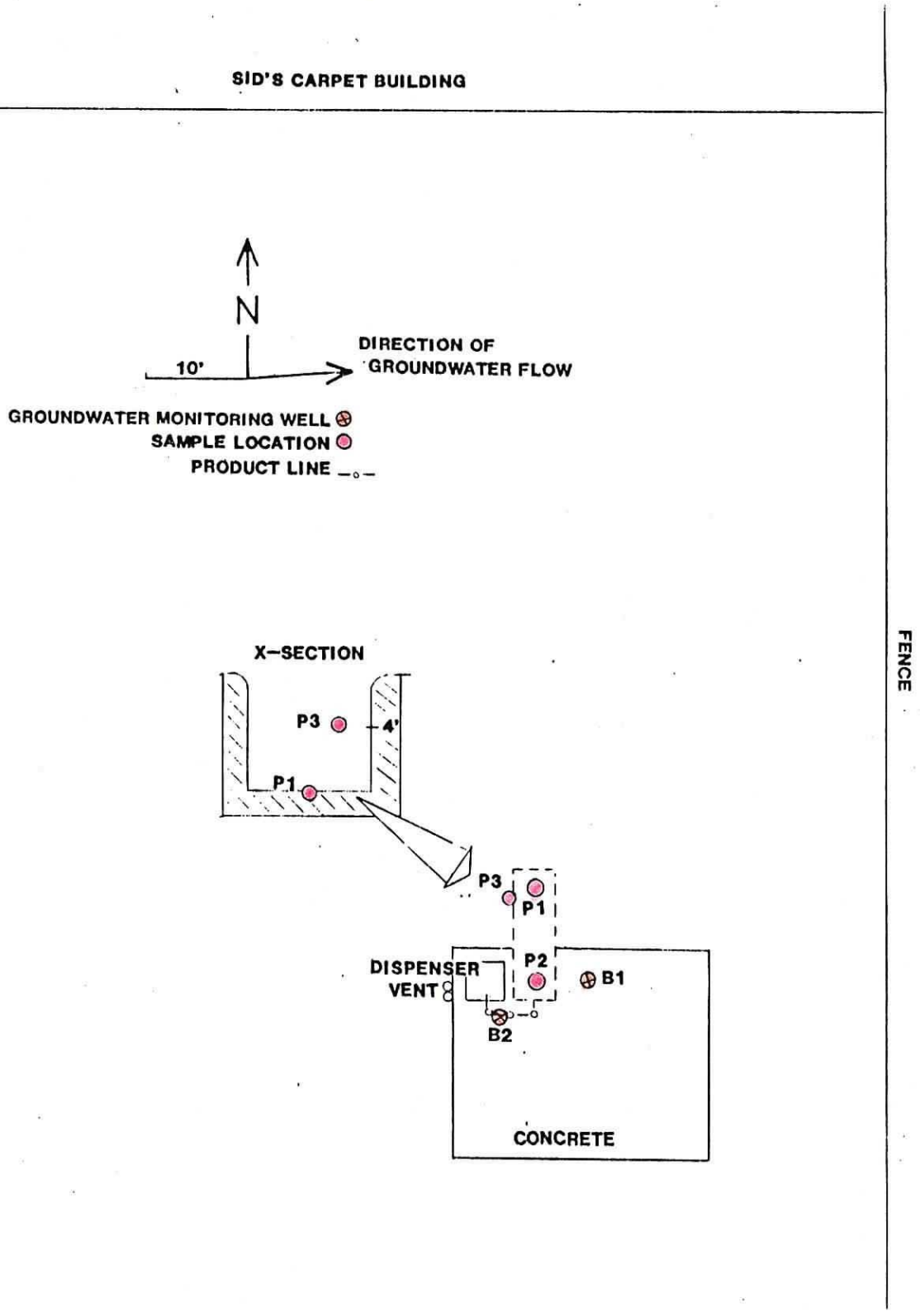
Matt Naftaly
PIC Staff Geologist

J. Tim Hersch

J. Tim Hersch
California Registered Geologist #4082

MEN/ls

Figure 1:



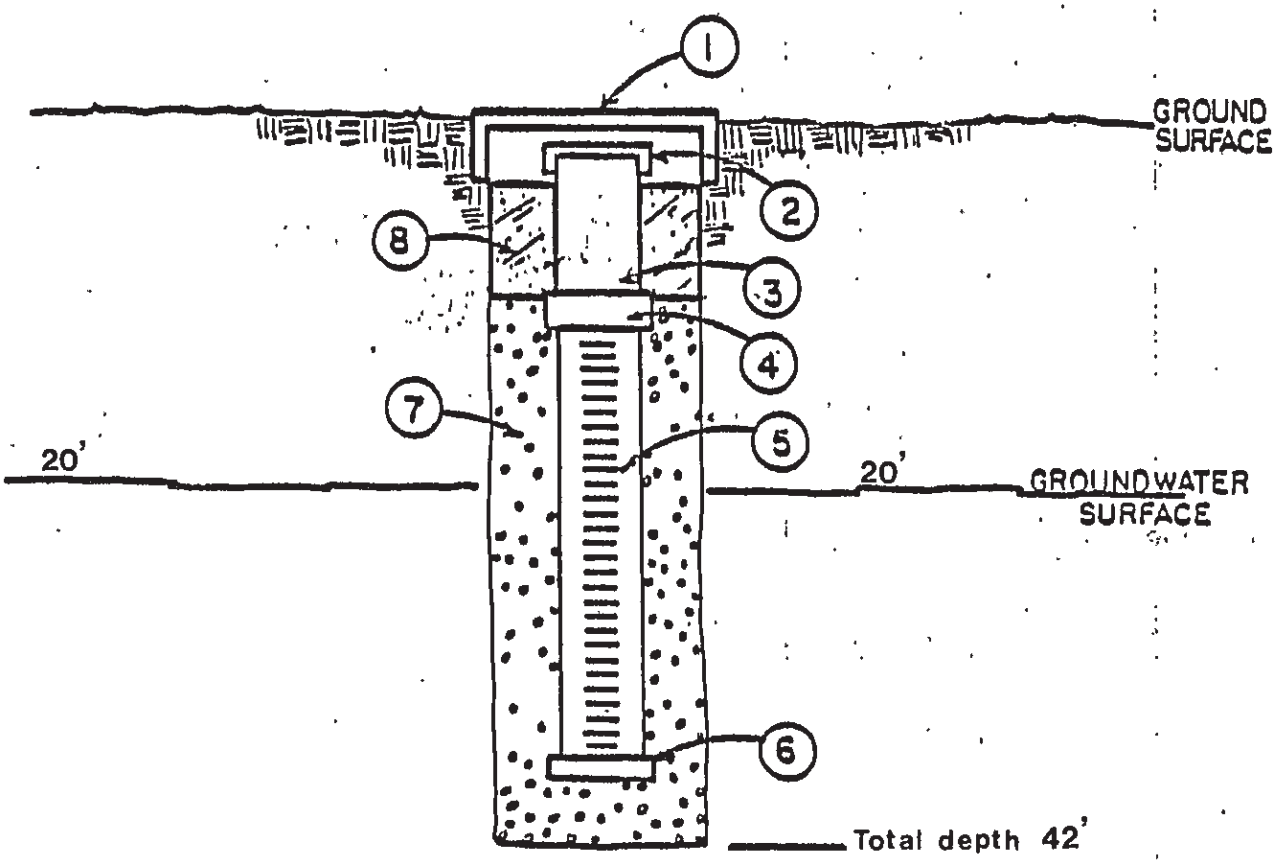
PETROLEUM INDUSTRY CONSULTANTS, INC.
WESTMINSTER, CA 92683

HANKS/SEARS
1917 Artesia Blvd.
Gardena, California

REVISED	BY	PREPARED BY	DRAFTED BY	GEOLOGICAL DRAWING NUMBER
		M.N.		
		SCALE	DATE	
			5/87	E 461

Figure 2:

LEAK DETECTION SYSTEM
TYPICAL MONITORING WELL



ITEM LIST:

1. Traffic box
2. Water-tight locking cap
3. Four-inch diameter minimum
4. Coupling
5. Four-inch diameter minimum factory slotted schedule-40 PVC pipe or other compatible material. Slots shall extend from bottom of well to 10 feet above the highest anticipated groundwater level or to the bottom of the well seal.
6. End cap
7. Clean pea gravel or sand filter pack.
8. Bentonite well seal

GENERAL REQUIREMENTS:

A. Monitoring wells shall extend at least 20 feet below the lowest anticipated groundwater level and at least 15 feet below the bottom of the tanks. However, do not drill well through laterally extensive clay layers that are below the water table and are at least 5 feet thick.

B. Boring shall be 4" greater than the diameter of the well (10"diameter minimum boring).

PETROLEUM INDUSTRY CONSULTANTS, INC.
WESTMINSTER, CA 92683

HANKS/SEARS (GARD.)

1917 Artesia Blvd.
Gardena, California

REVISED	BY	DATE	SCALE	GEOLOGICAL DRAWING NUMBER
		8/87		E 540

APPENDIX A:
LOS ANGELES COUNTY DETERMINATION LETTER

COUNTY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

1540 ALCAZAR STREET
LOS ANGELES, CALIFORNIA 90033
Telephone: (213) 226-8111

ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 4089
LOS ANGELES, CALIFORNIA 90051

THOMAS A. TIDEMANSON, Director
WYNN SMITH, Chief Deputy Director
CECIL BUGH, Assistant Director

IN REPLY PLEASE REFER TO FILE: I-13475-2B

June 15, 1987

Mr. Warfield
Sid's Carpets
1917 West Artesia
Gardena, CA

Dear Mr. Warfield:

HAZARDOUS MATERIAL UNDERGROUND STORAGE
CLOSURE/SITE ASSESSMENT REPORT
CLOSURE PERMIT NO. 2683B
FACILITY LOCATION: 1917 West Artesia

This office has reviewed the closure report submitted on June 3, 1987, for the subject facility.

In order to better evaluate the report, the information indicated on the attached Additional Closure Requirements sheet must be submitted to this office by June 30, 1987.

If you have any questions regarding this matter, please contact Ms. Kelsey Schwartz at (213) 226-4437.

Very truly yours,

T. A. TIDEMANSON
Director of Public Works

By Kelsey Schwartz
Waste Management Division

Enc.

cc: Petroleum Industry Consultants

CL207 3/87

ADDITIONAL CLOSURE REQUIREMENTS

The additional information or requirements checked below must be submitted to the Los Angeles County Department of Public Works, Waste Management Division, P.O. Box 4089, Los Angeles, CA 90051, in order to complete the evaluation of Closure Permit No. 2683B.

[ ] Plot plan to scale showing locations of tanks, sampling points, buildings, adjacent streets and north arrow.

[ ] Insufficient number of samples were obtained. Additional samples required in accordance with attached Closure Permit Requirements.

[ ] Describe method of obtaining, handling, and/or transporting samples.

[ ] Indicate time and date samples were obtained.

[ ] Submit logs certified by a CA Registered Geologist, CA Certified Engineering Geologist, or CA Registered Civil Engineer with sufficient experience in soils for all borings.

[ ] Submit chain-of-custody documentation initiated by person obtaining sample through person at DOHS certified laboratory.

[X] Disposal destination of tanks and evidence of legal disposal.

[ ] Analysis results by a State certified laboratory shall be submitted on laboratory letterhead showing analysis date, methods of extraction and methods of analysis.

[ ] Documentation as to depth of groundwater at facility.

[ ] Manifests to document hazardous waste disposal of removed soil.

[ ] Signature on the report is required of CA Registered Geologist, CA Certified Engineering Geologist, or CA Registered Civil Engineer with sufficient experience in soils.

[X] Define the vertical and lateral extent of contamination.

[X] Propose a remedial action plan to mitigate contamination.

[ ] Other _____

_____

_____

CL207 3/87

APPENDIX B:
BORING LOGS

Client Hanks/Sears (Gardena) Project No. E540 Boring B1

Location East of Pit Well/Boring Vertical Well Date 7/1/87
Drilling Co. Drill-Line Driller Buck Rig B53
Casing Diam. 4" Filter Pack Monterey #3 Sand H_2O Depth 20'
No. of Samples 3 Total Depth 42'
Perforations: 11'-42'

	Description	Lithology	H-nu (ppm)	Sample No.	Sample Interval	Comments
	Asphalt					Start 8:30 AM
	Clay; grayish-brown, moist, very cohesive, no odor					
5 Core B1-5'	Clay; dark brown, very hard and cohesive, very organic			1		
	light brown					
10 Core B1-10'	Clay; light brown, gray patches, hard, cohesive some organic material, slight odor?			2		
15	Clay; gray, no organic material, slight odor					
20 Core B1-20'	Clayey Sand; grayish-brown, fine grained, well sorted, wet, sligh odor, encountered water			3		Drilling problems due to mud resistance
						Finish 1:40 PM
5						

Client Hanks/Sears (Gardena) Project No. E540 Boring B2

Location South of Pit Well/Boring Vertical Well Date 7/1/87
Drilling Co. Drill-Line Driller Buck Rig B53
Casing Diam. 4" Filter Pack Monterey #3 Sand H_2O Depth 22'
No. of Samples 3 Total Depth 42'
Perforations: 11'-42'

	Description	Lithology	H-nu (ppm)	Sample No.	Sample Interval	Comments
	Asphalt					Start 2:25 PM
	Clay; dark gray, very hard, cohesive, no odor					
5 Core B2-5'	Clay; dark gray, very hard and cohesive, sli odor(gas)			1		
10 Core B2-10'	Clay; light gray, organic rich, no odor			2		
15	no organic material					
	gas odor begins					
20 Core B2-20'	Clayey Sand; light brown, fine grained, micaceous, moist strong odor			3		Water encountered
						Finish 7:00 PM
5						
30						

APPENDIX C:

CHAIN OF CUSTODY

CHEMICAL RESEARCH LABORATORIES, INC.

11631 SEABOARD CIRCLE, STANTON, CA 90680
TEL. NOS.: (714) 898-6370 (213) 598-0458

- ORANGE COUNTY
- VENTURA
- SANTA MARIA
- BAKERSFIELD
- L.A. COUNTY

CHAIN OF CUSTODY RECORD

Date 7/2/87 Page 1 of 1

CLIENT PIC

ADDRESS 5455 Garden Grove Blvd
Wesminster, California

PROJECT MANAGER
Tim Hersch

PHONE NUMBER
714 894-6399

PROJECT NAME
E 540 Hanks / Sears

SAMPLERS: (Signature)
Matt Naftaly

SAMPLE NUMBER	LOCATION DESCRIPTION	DATE	TIME	SAMPLE TYPE WATER Comp.	SAMPLE TYPE WATER Grab.	SAMPLE TYPE AIR	SOLID	NO. OF CNTNRS	TESTS REQUIRED
B1-5'	East of pit	7/1	11:00am				✓	1	EPA 8015
B1-10'	" " "	7/1	12:00				✓	1	" "
B1-20'	" " "	7/1	1:00pm				✓	1	" "
B2-5'	South of pit	7/1	3:00pm				✓	1	" "
B2-10'	" " "	7/1	4:00pm				✓	1	" "
B2-20'	" " "	7/1	4:40pm				✓	1	" "

		Date/Time
Relinquished by: (Signature)	Received by: (Signature) Linda Salinas	7/2/87 8:20
Relinquished by: (Signature)	Received by: (Signature)	
Relinquished by: (Signature) Matt Naftaly	Received by Mobile Laboratory for field analysis: (Signature)	
Dispatched by: (Signature)	Date/Time 7/2 8:15 A.M.	Received for Laboratory by:
Method of Shipment:		

Special Instructions:

SOURCE: Adapted from U.S. EPA, 1985

CHEMICAL RESEARCH LABORATORIES, INC.

11631 SEABOARD CIRCLE, STANTON, CA 90680
TEL. NOS.: (714) 898-6370 (213) 598-0458

- ORANGE COUNTY
- VENTURA
- SANTA MARIA
- BAKERSFIELD
- L.A. COUNTY

CHAIN OF CUSTODY RECORD

Date 7/17/87 Page 1 of 1

CLIENT PIC

ADDRESS 5455 Garden Grove Bl
Westminster Ca

PROJECT MANAGER J T Hawk

PHONE NUMBER 898 6399

PROJECT NAME
E 540 Hanks/Sears/Garden

SAMPLERS: (Signature) Don Pierce

SAMPLE NUMBER	LOCATION DESCRIPTION	DATE	TIME	SAMPLE TYPE WATER Comp.	SAMPLE TYPE WATER Grab.	SAMPLE TYPE AIR	SOLID	NO. OF CNTNRS	TESTS REQUIRED
B-1	East 17'4"	7/17	3p		1			1	8015 and 602
B2	South 17'3"	7/17	320p		1			1	8015 and 602

Relinquished by: (Signature) Don Pierce
Received by: (Signature) Dick Kammerer
Date/Time 7/17/87 1630

Relinquished by: (Signature)
Received by: (Signature)
Date/Time

Relinquished by: (Signature)
Received by Mobile Laboratory for field analysis: (Signature)
Date/Time

Dispatched by: (Signature)
Date/Time
Received for Laboratory by:
Date/Time

Method of Shipment:

Special Instructions:

SOURCE: Adapted from U.S. EPA, 1985

APPENDIX D:
LABORATORY RESULTS

CHEMICAL RESEARCH LABORATORIES

11631 SEABOARD CIRCLE (213) 598-0458
STANTON, CA 90680 (714) 898-6370

LABORATORY REPORT

FROM: PIC
5455 Garden Grove Blvd.
Westminster, CA 92683
ATTN: J. Tim Hersch

NATURE OF SAMPLE:
E540 Hanks/Sears (Soil) / GARDENA

ANALYSIS NO.: 718301-1/6
SAMPLING DATE: 07/01/87
DATE SAMPLE REC'D: 07/02/87
INVOICE NO.:

RESULTS, in mg/kg

SAMPLE IDENTIFICATION	TOTAL PETROLEUM HYDROCARBONS (EPA 8015-MODIFIED)
B1 - 5' East of pit	*ND(1.)
B1 - 10' East of pit	ND(1.)
B1 - 20' East of pit	ND(1.)
B2 - 5' South of pit	ND(1.)
B2 - 10' South of pit	ND(1.)
B2 - 20' South of pit	40.

Note: Samples received chilled, intact and with a chain of custody.

* Not detected (detection limit)

CG
ANALYST

REVIEWED & APPROVED
CHEMICAL RESEARCH LABORATORIES
DATE 7/10/87

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed. Any reproduction of this report or use of this Laboratory's name for advertising or publicity purposes without authorization is prohibited.

Chemical Research Laboratories, Inc.
11631 Seaboard Circle • Stanton, CA 90680
(714) 898-6370 • (213) 598-0458

LABORATORY REPORT

PIC, INC.
5455 Garden Grove Blvd.
Westminster, Ca. 92683
Attn: J.T. Hersch

ANALYSIS NO.: 719815-001/002
ANALYSES: EPA METHOD 602
DATE SAMPLED: 07/17/87
DATE SAMPLE REC'D: 07/20/87
DATE ANALYZED: 07/27/87
SAMPLE TYPE: Liquid
PROJECT: E540 Hanks/Sears/Gardena

BTX EPA METHOD 602, (ug/L)

SAMPLE NUMBER	BENZENE	TOLUENE	ETHYL BENZENE	TOTAL XYLENES
B-1 East 17'4"	ND(0.7)	ND(1.)	ND(1.)	ND(1.)
B-2 South 17'3"	35.	ND(10.)	ND(10.)	15.

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed. Any reproduction of this report or use of this Laboratory's name for advertising or publicity purposes without authorization is prohibited.

Chemical Research Laboratories, Inc.
11631 Seaboard Circle • Stanton, CA 90680
(714) 898-6370 • (213) 598-0458

LABORATORY REPORT

PIC, INC.
5455 Garden Grove Blvd.
Westminster, Ca. 92683
Attn: J.T. Hersch

ANALYSIS NO.: 719815-001/002
ANALYSES: EPA METHOD 8015
DATE SAMPLED: 07/17/87
DATE SAMPLE REC'D: 07/20/87
DATE ANALYZED: 07/27/87
SAMPLE TYPE: Liquid
PROJECT: E540 Hanks/Sears/Gardena

SAMPLE NUMBER	Total Petroleum Hydrocarbons EPA METHOD 8015 (ug/L)
B-1 East 17'4"	ND(100.)
B-2 South 17'3"	2000.

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed. Any reproduction of this report or use of this Laboratory's name for advertising or publicity purposes without authorization is prohibited.

COUNTY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

1540 ALCAZAR STREET
LOS ANGELES, CALIFORNIA 90033
Telephone: (213) 226-8111

THOMAS A. TIDEMANSON, Director
WYNN SMITH, Chief Deputy Director
CECIL BUGH, Assistant Director

ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 4089
LOS ANGELES, CALIFORNIA 90051

IN REPLY PLEASE REFER TO FILE: I-13475-2B

June 15, 1987

Mr. Warfield
Sid's Carpets
1917 West Artesia
Gardena, CA

Dear Mr. Warfield:

HAZARDOUS MATERIAL UNDERGROUND STORAGE
CLOSURE/SITE ASSESSMENT REPORT
CLOSURE PERMIT NO. 2683B
FACILITY LOCATION: 1917 West Artesia

This office has reviewed the closure report submitted on June 3, 1987, for the subject facility.

In order to better evaluate the report, the information indicated on the attached Additional Closure Requirements sheet must be submitted to this office by June 30, 1987.

If you have any questions regarding this matter, please contact Ms. Kelsey Schwartz at (213) 226-4437.

Very truly yours,

T. A. TIDEMANSON
Director of Public Works

By Kelsey Schwartz
Waste Management Division

Enc.

cc: Petroleum Industry Consultants

CL207 3/87

ADDITIONAL CLOSURE REQUIREMENTS

The additional information or requirements checked below must be submitted to the Los Angeles County Department of Public Works, Waste Management Division, P.O. Box 4089, Los Angeles, CA 90051, in order to complete the evaluation of Closure Permit No. 2683B.

[ ] Plot plan to scale showing locations of tanks, sampling points, buildings, adjacent streets and north arrow.

[ ] Insufficient number of samples were obtained. Additional samples required in accordance with attached Closure Permit Requirements.

[ ] Describe method of obtaining, handling, and/or transporting samples.

[ ] Indicate time and date samples were obtained.

[ ] Submit logs certified by a CA Registered Geologist, CA Certified Engineering Geologist, or CA Registered Civil Engineer with sufficient experience in soils for all borings.

[ ] Submit chain-of-custody documentation initiated by person obtaining sample through person at DOHS certified laboratory.

[X] Disposal destination of tanks and evidence of legal disposal.

[ ] Analysis results by a State certified laboratory shall be submitted on laboratory letterhead showing analysis date, methods of extraction and methods of analysis.

[ ] Documentation as to depth of groundwater at facility.

[ ] Manifests to document hazardous waste disposal of removed soil.

[ ] Signature on the report is required of CA Registered Geologist, CA Certified Engineering Geologist, or CA Registered Civil Engineer with sufficient experience in soils.

[X] Define the vertical and lateral extent of contamination.

[X] Propose a remedial action plan to mitigate contamination.

[ ] Other _____

_____

_____

CL207 3/87

860.4.3

TANK REMOVAL
GEOLOGIC REPORT

for

SEARS/SID'S CARPETS
1917 Artesia Boulevard
Gardena, California

May 27, 1987

RECEIVED
JUN 3 1987
DEPARTMENT OF PUBLIC WORKS
ENGINEERING SERVICES DIVISION

TABLE OF CONTENTS

TEXT

Summary.....1

Introduction.....1

Procedure.....2

Geology.....3

Testing and Results.....4

DISPLAYS

Figure 1: Site Location Map

Figure 2: Site Sketch Map

Figure 3: Topographic Map

Figure 4: LACFCD Groundwater Contour Map

Appendix A: Chain of Custody Form

Appendix B: Lab Data Documentation

PETROLEUM INDUSTRY CONSULTANTS, INC.
PIC

5455
GARDEN GROVE
BOULEVARD,
WESTMINSTER,
CALIFORNIA
92683

SUMMARY

One gasoline tank was removed from the Sears Gardena facility on May 13, 1987. Two soil samples were recovered under L.A.C.D.P.W. Permit #2683B; an additional sample was taken at the request of Charlie Mellon from Hank's Service Station Maintenance. Only the sample recovered from the south end of the tank pit beneath the gasoline tank had a significant total petroleum hydrocarbon concentration (9300 ppm).

INTRODUCTION

Representatives from Sears contracted with Hanks Service Station Maintenance to remove from their facility one (1) underground storage tank (see Figure 1; Site Location Map). Tank removal operations were completed on Wednesday, May 13, 1987. Upon excavation, one (1) 1000 gallon gasoline tank was uncovered and removed (see Figure 2; Site Sketch Map). In accordance with tank removal permit #2683B, issued by the Los Angeles County department of Public Works, Engineering Services Division, two

(2) soil samples were recovered from under the tank. An additional sample was recovered at a depth of four (4) feet below surface from the west wall of the tank pit as specified by Charlie Mellon of Hank's Service Station Maintenance. The samples were collected and chemically analyzed to document the subsurface soil conditions.

Petroleum Industry Consultants (PIC) was contracted (in-house job E461) to provide a geologist on site to: 1) conduct a visual inspection of lithology; 2) recover specified soil samples from the bottom of the tank pit; 3) oversee subsequent laboratory testing of soil samples; and 4) prepare this geologic report of tank removal operations. This report documents the field procedures and test results for soil samples recovered during the excavation and laboratory evaluation of this tank pit site.

PROCEDURE

Tank pit excavation was completed the morning of May 13, 1987. A backhoe was used to remove soil from above and beside the tank. After lower explosion levels registered below 10 percent in all the tanks, onsite City of Gardena Fire Inspector Solley allowed removal operations to continue. The tank was loaded onto a truck and transported to AMR in Ontario.

To facilitate transport and visual inspection for structural integrity, the tank sides and bottom were scraped to remove excess soil. The tank had no obvious holes or cracks, but there was evidence of soil contamination above the tank to the ground surface. After the tank had been removed from the tank pit, PIC

staff geologist, Mr. Don Prince, recovered three (3) samples; one from beneath each end of the tank at a depth of 2 feet below tank bottom and an additional sample excavated off the west wall of the tank pit (sample P3) as specified by Hank's Service Station Maintenance representative Charlie Mellon. Each sample was collected in a glass jar and sealed with an aluminum lid. The sample jars were placed in ice and transported to Chemical Research Laboratories for specified testing and analysis (see Appendix A; Chain of Custody).

Tank removal operations and soil sampling were completed by 1:00 P.M. and the representative from PIC was released from the site.

GEOLOGY

A visual inspection of the stratigraphy exposed along the sides of the tank pit revealed that the predominant soil type from ground surface to a depth of 10 feet was dark brown, massive, medium grained, clayey sand. The tank pit had been originally backfilled with native soil.

The elevation of the tank pit site is approximately 50 feet above sea level; the surrounding topography slopes east: (see Figure 3; Area Topographic Map). The groundwater contour map published by the L.A.C.F.C.D. shows the most likely direction of groundwater flow to be east, parallel to the nearby Dominguez channel. Depth to the first principal aquifer beneath the site is approximately 100 feet below surface; semi-perched zones may occur at shallower depths (see Figure 4; L.A.C.F.C.D. Groundwater contour map).

TESTING AND RESULTS

The soil samples were transported the same day to Chemical Research Laboratories, 11631 Seaboard Circle, Stanton, California for specified quantitative testing for organic lead and total petroleum hydrocarbons (TPH) using EPA Method 8015. With the exception of sample P2, which had a reported TPH level of 9300 ppm, all the samples had TPH concentrations less than or equal to 3 ppm, and organic lead concentrations less than or equal to 1 ppm. These laboratory findings confirm that, there is limited soil contamination in the tank pit.

This report is proprietary and confidential, to be delivered to, and intended for the exclusive use of, the above named client only. Petroleum Industry Consultants, Inc. assumes no responsibility nor liability for the reliance herein or use hereof by anyone other than the above named client. In addition, all of the lab work cited in this report was prepared under the supervision of Mike Hiatt of Chemical Research Laboratories, Stanton, who is solely responsible for the contents and conclusions of the laboratory data.

Should you have any additional questions or comments regarding the procedures or results outlined in this report, please do no hesitate to call us at 714/898-6399.

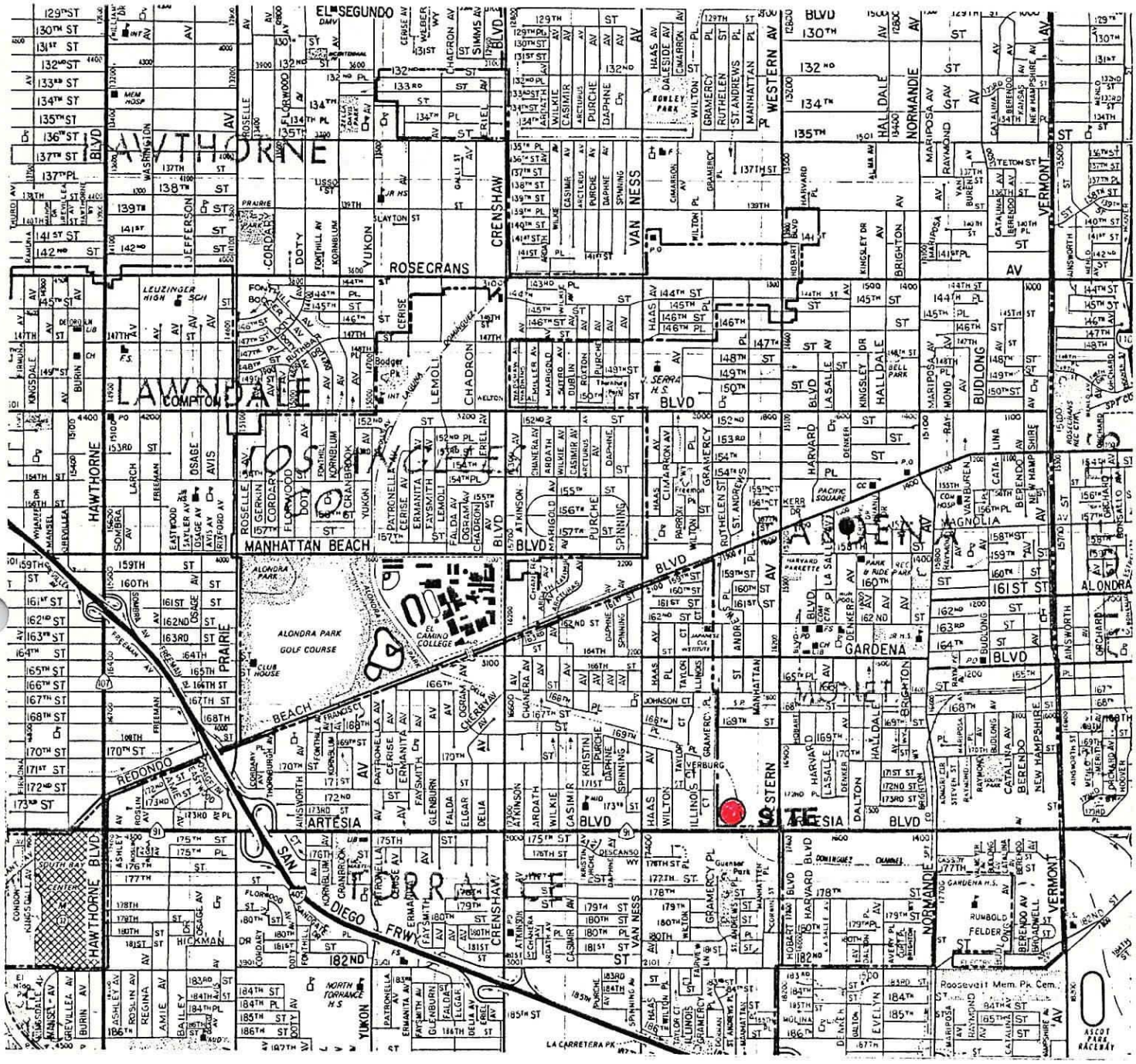
Respectfully submitted,

J. Tim Hersch

J. Tim Hersch
California Registered Geologist #4082

JTH/ls

Figure 1:
Site Location Map

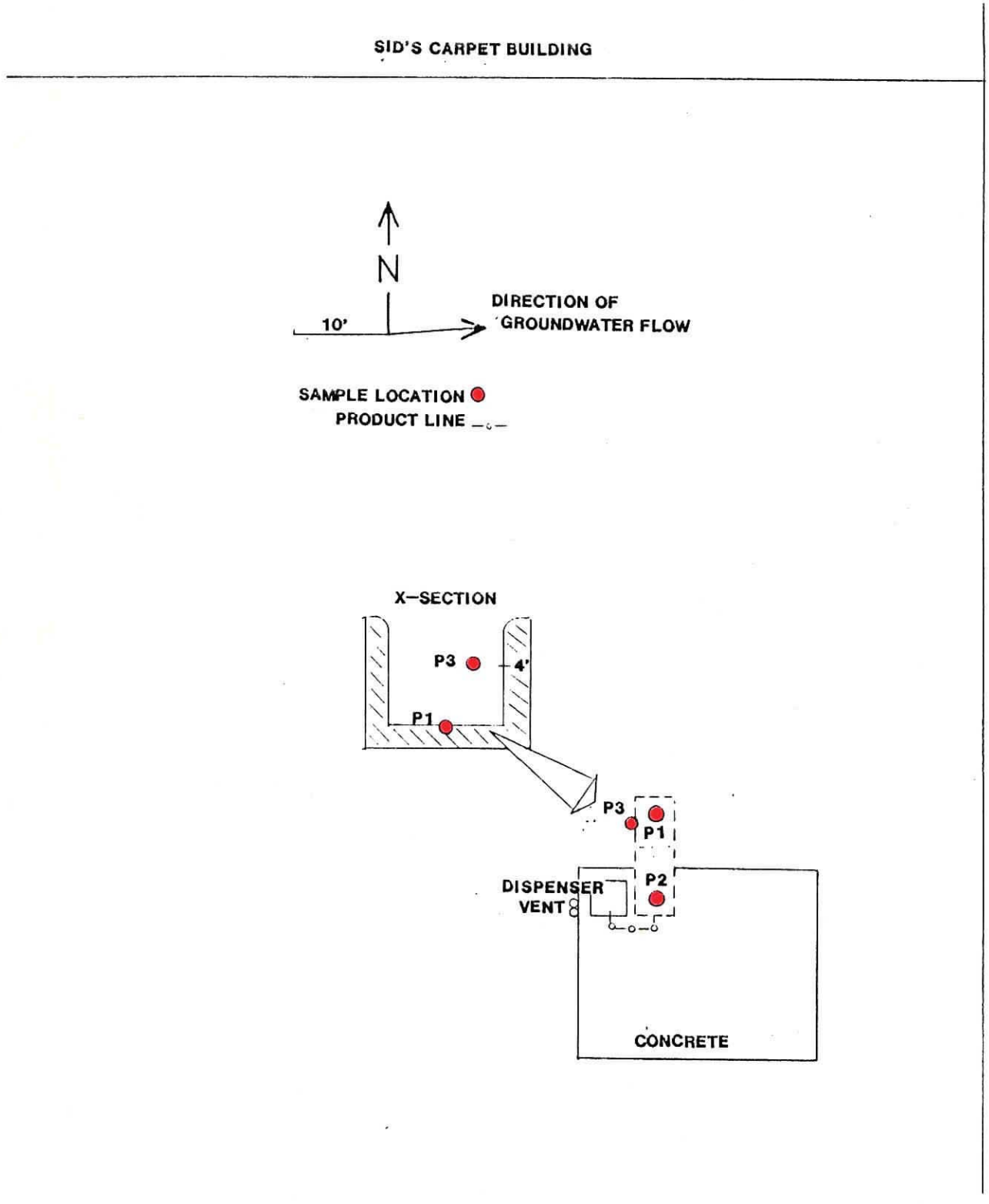


PETROLEUM INDUSTRY CONSULTANTS, INC.
WESTMINSTER, CA 92683

HANKS/SEARS
1917 Artesia Blvd.
Gardena, California

REVISED	BY	PREPARED BY	DRAFTED BY	GEOLOGICAL DRAWING NUMBER
		M.N.		
		SCALE	DATE	
		1" = ½ mi	5/87	E 461

Figure 2:
Site Sketch Map

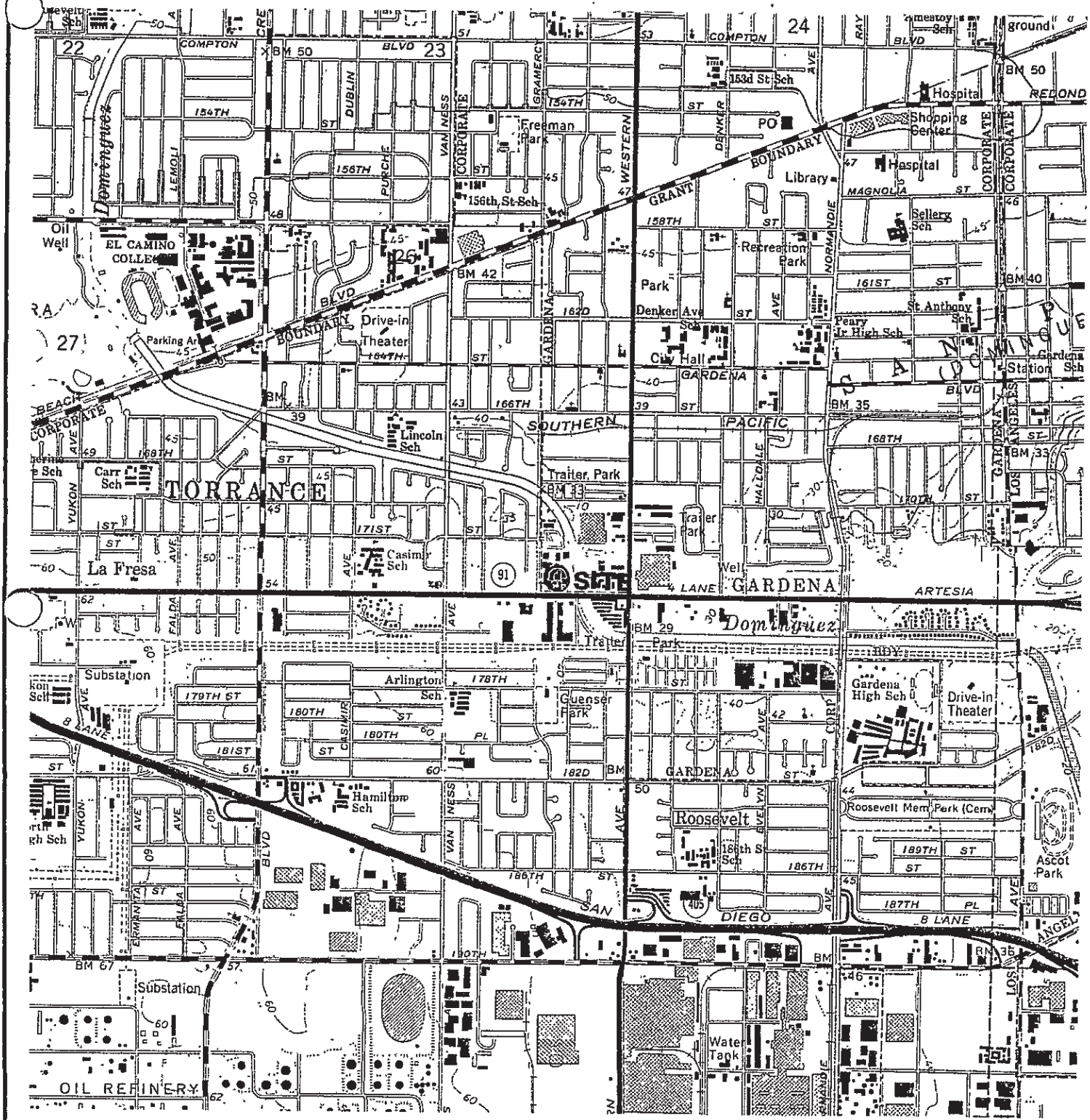


PETROLEUM INDUSTRY CONSULTANTS, INC.
WESTMINSTER, CA 92683

HANKS/SEARS
1917 Artesia Blvd.
Gardena, California

REVISED	BY	PREPARED BY	DRAFTED BY	GEOLOGICAL DRAWING NUMBER
		M. N.		
		SCALE	DATE	
			5/87	E 461

Figure 3:
U.S.G.S. Topographic Map



PETROLEUM INDUSTRY CONSULTANTS, INC.
WESTMINSTER, CA 92683

HANKS/SEARS
1917 Artesia Blvd.
Gardena, California

REVISED	BY	PREPARED BY	DRAFTED BY	GEOLOGICAL DRAWING NUMBER
		M.N.		
		SCALE 1"=2M'	DATE 5/87	E 461

Figure 4:
L.A.C.F.C.D. Groundwater Contour Map

PETROLEUM INDUSTRY CONSULTANTS, INC.
WESTMINSTER, CA 92683

HANKS/SEARS
1917 Artesia Blvd.
Gardena, California

REVISED	BY	PREPARED BY	DRAFTED BY	GEOLOGICAL DRAWING NUMBER
		M.N.		
		SCALE	DATE	
		1"=1mi	5/87	E 461

APPENDIX A:

CHAIN OF CUSTODY

CHEMICAL RESEARCH LABORATORIES, INC.
11631 SEABOARD CIRCLE, STANTON, CA 90680
TEL. NOS.: (714) 898-6370 (213) 598-0458

- ORANGE COUNTY
- VENTURA
- SANTA MARIA
- BAKERSFIELD
- L.A. COUNTY

CHAIN OF CUSTODY RECORD

Date 5/13/87 Page 1 of 1

CLIENT PIC

ADDRESS 5455 Garden Grove Bl
Westminster

PROJECT MANAGER J T Hersch

PHONE NUMBER 714 898 6399

PROJECT NAME E461 Hanks/Sears Gardena

SAMPLERS: (Signature) Donald P[illegible]

SAMPLE NUMBER	LOCATION DESCRIPTION	DATE	TIME	SAMPLE TYPE WATER Comp.	WATER Grab.	AIR	SOLID	NO. OF CNTNRS	TESTS REQUIRED
P1	BTM North	5/13/87	1145				1	1	8015 and ORGANIC LEAD
P2	BTM South	5/13	12				1	1	8015 and Organic Lead
P3	West Wall, North 4' down from surface	5/13	1230				1	1	8015 only

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Donald P[illegible]	Joyce Farrell CRL	5/13 151
Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	Received by Mobile Laboratory for field analysis: (Signature)	Date/Time

Dispatched by: (Signature)	Date/Time	Received for Laboratory by:	Date/Time

Method of Shipment:

Special Instructions:

SOURCE: Adapted from U.S. EPA, 1985

APPENDIX B:

LABORATORY RESULTS

CHEMICAL RESEARCH LABORATORIES

11631 SEABOARD CIRCLE
STANTON, CA 90680

(213) 598-0458
(714) 898-6370

LABORATORY REPORT

FROM: Petroleum Industry Consultants
5455 Garden Grove Blvd.
Westminster, CA 92683
ATTN: Mr. Tim Hersch

NATURE OF SAMPLE:
E 461 Hanks/Sears - Gardena (soil)

ANALYSIS NO.: 713313-001/003
SAMPLING DATE: 05/13/87
DATE SAMPLE REC'D: 05/13/87
INVOICE NO.:

RESULTS, in mg/kg

SAMPLE IDENTIFICATION	ORGANIC LEAD	TOTAL PETROLEUM HYDROCARBONS (EPA 8015)
P1 BTM North	*ND(0.1)	3.
P2 BTM South	1.0	9,300.
P3 Westwall, North 4' Down from Surface	---	2.

*Not Detected (Below indicated limit of detection.)

NOTE: Samples were received in a chilled state, intact and with chain of custody record attached.

REVIEWED & APPROVED
CHEMICAL RESEARCH LABORATORIES
DATE 5/20/87

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed. Any reproduction of this report or use of this Laboratory's name for advertising or publicity purposes without authorization is prohibited.

********** HAZARDOUS MATERIALS STORAGE CLOSURE FEE BILL **********

DATE DUE: 05/06/87 AMOUNT DUE: 141.00 F

013475 0002683B 2B (COUNTY CLOSURE FEE: 141.00)

SITE: 1917 W ARTESIA

LA COUNTY DEPT OF PUBLIC WORKS
WASTE MANAGEMENT DIVISION
(213) 226-4000

OWNER:
SEARS ROEBUCK CO
00900 S FREMONT AVE
ALHAMBRA CA 91802

541 MAY 14 69 141.00

********** RETAIN THIS PORTION FOR YOUR RECORDS **********

COPIA

2683 B

APPLICATION FOR CLOSURE
HAZARDOUS MATERIALS UNDERGROUND STORAGE
COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
WASTE MANAGEMENT DIVISION
2250 ALCAZAR STREET
LOS ANGELES, CALIFORNIA 90033

OWNER:
NAME Sears, Roebuck and Company
ADDRESS 900 S. Fremont Ave CITY Alhambra STATE CA ZIP 91802

FACILITY:
NAME Sid's Carpets
SITE ADDRESS 1917 W. Artesia CITY Gardena ZIP
MAILING ADDRESS Same CITY STATE ZIP
CONTACT PERSON Mr Warfield TITLE Manager PHONE (818) 576-4301

CLOSURE REQUESTED:
☐ TEMPORARY (REFER TO **CONDITIONS A AND B** ON BACK OF THIS FORM)
EFFECTIVE DATE OF CLOSURE
DATE OPERATION WILL RESUME
☒ PERMANENT, TANK(S) REMOVAL DISPOSAL DESTINATION Blain's Yard 16243 Illinois Paramount, CA
(REFER TO **CONDITIONS A AND C** ON BACK OF THIS FORM)
☐ PERMANENT, TANK(S) IN PLACE
(REFER TO **CONDITIONS A AND D** ON BACK OF THIS FORM)

TANK(S) DESCRIPTION: (ATTACH ADDITIONAL LIST IF NECESSARY.)

TANK NO.	MATERIAL	AGE (YEARS)	CAPACITY (GAL)	MATERIALS STORED (PAST AND PRESENT)
1	STEEL	unknown	10,000	Gasoline

	YES	NO
HAS ANY UNAUTHORIZED DISCHARGE EVER OCCURRED AT THIS SITE?	☐	☒
HAVE STRUCTURAL REPAIRS EVER BEEN MADE ON THESE TANKS?	☐	☒
WILL NEW UNDERGROUND TANKS BE INSTALLED FOLLOWING CLOSURE?	☐	☒
WILL ANY WELLS, INCLUDING MONITORING WELLS, BE ABANDONED?	☐	☒

IF THE RESPONSE TO ANY OF THE ABOVE QUESTIONS IS YES, ATTACH EXPLANATION.

BY SIGNATURE BELOW THE APPLICANT CERTIFIES THAT HE/SHE HAS READ AND UNDERSTANDS THE CONDITIONS ON THE REVERSE SIDE OF THIS FORM AND THAT THE STATEMENTS AND DISCLOSURES ABOVE ARE TRUE AND CORRECT.

APPLICANT'S SIGNATURE Charles R. Mellon DATE May 6, 1987
OWNER ☐ OPERATOR ☐ CONTRACTOR Wanks Service Station Maintenance
STATE LICENSE NO. 405536

TO BE COMPLETED BY THE COUNTY ENGINEER

BY SIGNATURE BELOW APPLICANT IS GRANTED APPROVAL TO PROCEED WITH THE CLOSURE.

FEE COLLECTED $ 141.00
PERMIT NO 2683B
FILE NO 13475 R/C 2B

Blain D Burgess DATE 5/6/87
TO ARRANGE FOR AN INSPECTION, TELEPHONE BONNIE KEOLIAN

CL205 Revised 9/86

CONDITIONS A -- GENERAL

1. Closures shall be carried out such that all applicable regulations from the following agencies are complied with: Los Angeles County, Department of County Engineer-Facilities; Los Angeles County Fire Department, Fire Prevention Division or the appropriate City Fire Department; South Coast Air Quality Management District; and Los Angeles County Department of Health Services.

2. The County Engineer and Fire Departments shall be notified in advance of any closure in accordance with the following:

   a. Removal of tank shall require a three (3) business day advance notification.

   b. Permanent closure of a tank in place or a temporary closure shall require a 30 day written notification.

3. The fee is $141 for the first tank plus $38 for each additional tank.

4. All abandoned wells shall be destroyed in such a way that they will not produce water or act as a channel for interchange of water, when such interchange may result in deterioration of the quality of water in any or all water bearing formations penetrated, or present a hazard to the safety and well-being of people and animals.

5. A well destruction permit issued by the Los Angeles Department of Health Services shall be required for all wells requiring a permit for their initial construction.

6. Well destruction shall be accomplished according to methods described in the latest "Water Well Standards: State of California" by the Department of Water Resources, contained in Bulletin 74-81, December 1981, or any other methods that will provide equivalent or better protection.

7. Plans for the decontamination of a facility shall be submitted to the County Engineer for approval no later than 30 days before the commencement of such operations. Other agencies having jurisdiction shall also be notified. These agencies include the California Regional Water Quality Board, the Los Angeles County Department of Health Services, and the South Coast Air Quality Management District.

8. Decontamination shall require the following, as a minimum:

   a. Cleaning operation shall be done under the supervision of persons who understand the hazardous potential of the original liquid stored and its components.

   b. The personnel shall be sufficiently skilled to safely carry out such operation.

   c. Contaminated materials removed from such facility shall be disposed of at legal point of discharge.

   d. The operation shall be carried out in a manner that will not endanger the health of the public and the environment.

CONDITIONS B -- TEMPORARY

1. All temporary closures shall be carried out as indicated in Los Angeles County Fire Department, Fire Prevention Division, Supplement #A -- Inspection Guide #6, "Abandonment or Removal of Underground Tanks," Part A and any other applicable Parts.

2. A temporary closure shall not exceed 90 days.

CONDITIONS C -- PERMANENT, TANK(S) REMOVAL

1. All tank removals shall be carried out as indicated in Los Angeles County Fire Department, Fire Prevention Division, Supplement #A -- Inspection Guide #6, Part D and any other applicable Parts.

2. Owners/operators shall notify the Building Department having jurisdiction at the place of removal if a grading permit is necessary.

3. Removed tanks shall not be transported away from the site until an inspection to establish site integrity is carried by the County Engineer.

4. If an appointment has been arranged with a County Engineer inspector to inspect the removal of a tank, the inspector will only wait at the site a reasonable amount of time (approximately one hour) after arriving for the removal to commence. Another closure fee may be charged if the inspector has to return to the site.

5. After inspection, tanks shall be transported to a legal disposal point.

6. If the tank had stored materials other than motor fuel, fuel oil, or waste oil, site integrity shall be demonstrated using the soil sampling and analysis procedures described in CONDITIONS D below.

7. The site shall be backfilled and recompacted to a relative compaction of 90%.

CONDITIONS D -- PERMANENT, TANK(S) IN PLACE

1. All permanent closures of tanks in place shall comply with Los Angeles County Fire Department, Fire Prevention Division, Supplement #A -- Inspection Guide #6, Parts B or C, and any other applicable Parts.

2. Owners/operators shall demonstrate part site integrity as follows:

   a. Test borings shall be slant drilled to intercept a point beneath the center of the tank, if possible. If slant drilling is not feasible, the test borings may be drilled vertically and the reason stated in the report in 2.h. below.

   b. For single tanks, a minimum of two test borings will be required, each located on opposite sides of the tank along the major axis of the tank.

   c. For multiple tanks, as a minimum, borings shall be placed at 20 foot intervals around the tank cluster. The actual number and location of borings shall be evaluated on a case-by-case basis. Tanks separated by 20 feet or more shall be considered single tanks for the purposes of test location and placement.

   d. Soil samples shall be taken at depths of 5, 10, 20, 30 and 40 feet below grade level.

   e. A Shelby Tube or a Modified California Sampler shall be utilized for taking all soil samples.

   f. Soil samples shall be capped immediately with teflon or aluminum.

   g. Soil samples shall not be extruded in the field but are to be immediately placed in a refrigerated ice chest and transported to a state certified laboratory for analysis, using suitable methods.

   h. A report containing the results of the above analysis shall be submitted to the County Engineer.

3. If the soil analysis in 2. above indicates the presence of contaminants, the County Engineer shall require a site investigation as described in Chapter V of the County's "Underground Storage of Hazardous Materials -- Guidelines."

4. A report shall be submitted to the County Engineer containing the results of the site investigation.

CLOSURE PERMIT SUPPLEMENT
HAZARDOUS MATERIALS UNDERGROUND STORAGE
LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
WASTE MANAGEMENT DIVISION
2250 ALCAZAR STREET
LOS ANGELES, CALIFORNIA 90033

Closure Permit No. 2693 B
File No. I-13475-2B

To satisfy the permanent closure requirements for underground storage tanks previously storing hazardous materials, site integrity must be demonstrated by the analysis of soil samples and, if applicable, groundwater samples as outlined below. These requirements are in addition to the conditions listed on the Application for Closure or contained in an approved Closure Plan.

1. Samples shall be obtained at the sampling points (SP) indicated on the attached plot plan.

2. For each SP, samples shall be obtained at the following depths:

SP	Depth(s)	Compounds	Analysis Method
1A,B	2' TO 4' BELOW TANK INVERT	T. P. H. / ORGANIC LEAD	EPA 8015

3. All soil samples obtained shall be undisturbed and unexposed prior to analysis. The method used to obtain the samples and the date of sampling shall be included in the final report.

4. If groundwater is encountered during sampling, a groundwater monitoring well shall be established at the most downgradient sampling point. The well shall be developed by removing a minimum of four well volumes and a groundwater sample shall be obtained and analyzed.

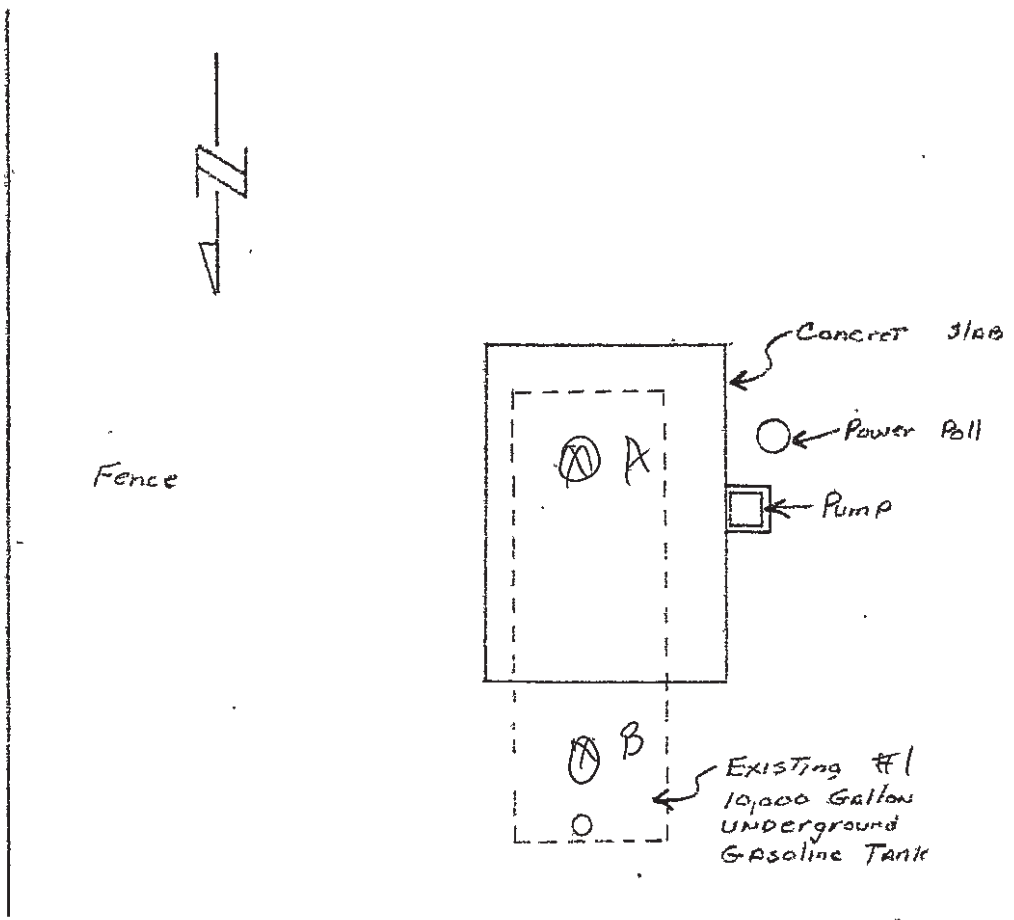
5. The analysis results for all soil samples shall be expressed in milligrams per kilogram (mg/kg). Analysis results for groundwater samples shall be expressed in parts per billion (ppb).

6. Analysis results shall be reported on laboratory letterhead and shall include the following information: a) The date the analysis was conducted; b) The method of extraction (if applicable); c) The method of analysis.

7. All soil/groundwater samples obtained shall be handled and transported to a laboratory in strict accordance with applicable EPA regulations utilizing chain-of-custody procedures. Chain-of-custody documentation shall be included in the final report.

8. If the soil/groundwater analysis indicates undefined contamination at the facility, additional sampling shall be required to define the vertical and lateral extent present.

9. A final report that contains all of the above required information shall be submitted to the office above within one (1) month from the sampling date or 180 days from the date of this permit, whichever earlier.



Scope

1. Remove remaing material From The Tank
2. Rinse The Tank To Render IT SAFE For removal
3. Obtain Soil Samples As required

Scale NONE	Date 5-1-87

Job Site Sid's Carpet
1917 W. Artesia Blvd
Gardena, Ca

Hank's

SERVICE STATION MAINTENANCE

Phone 221-3175

DAVIS BLUEPRINT CO. LOS ANGELES, CALIF. 12-77

LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
CLOSURE REPORT REQUIREMENTS

A closure report will be submitted to the Los Angeles County Department of Public Works, Waste Management Division, P.O. Box 4089, Los Angeles, CA 90051 containing:

1. File number of facility and closure permit number.
2. Plot plan to scale showing locations of tanks, sampling points, buildings, adjacent streets and north arrow.
3. Description of methods for obtaining, handling and transporting samples.
4. Time and date samples were obtained.
5. If borings were established, boring logs certified by a CA registered Geologist, CA Certified Engineering Geologist or CA Registered Civil Engineer with sufficient experience in soils.
6. Chain-of-custody documentation initiated by person obtaining sample through person at State Department of Health Services certified laboratory.
7. Disposal destination of tanks and evidence of legal disposal.
8. Analysis results by a State certified laboratory submitted on laboratory letterhead showing analysis date, methods of extraction and methods of analysis.
9. Documentation as to depth of groundwater at facility.
10. Manifests to document hazardous waste disposal of any removed soil.
11. Any observations of site contamination.
12. Remedial action plan to mitigate contamination.
13. Report to be signed by CA Registered Geologist, CA Certified Engineering Geologist or CA Registered Civil Engineer with sufficient experience in soils.

Signature Charles R. Mellon Date May 6, 1987

Attachment C

Historic Aerial Photographs

Gardena Pumping Plant

Not Reported

Gardena, CA 90247

Inquiry Number: 5581670.5

March 06, 2019

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

03/06/19

Site Name:

Gardena Pumping Plant
Not Reported
Gardena, CA 90247
EDR Inquiry # 5581670.5

Client Name:

Dudek & Associates
605 Third Street
Encinitas, CA 92024
Contact: Audrey Herschberger

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*
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'	Flight Date: June 10, 2002	USDA
1994	1"=500'	Acquisition Date: May 31, 1994	USGS/DOQQ
1989	1"=500'	Flight Date: August 22, 1989	USDA
1983	1"=500'	Flight Date: November 19, 1983	EDR Proprietary Brewster Pacific
1977	1"=500'	Flight Date: January 18, 1977	EDR Proprietary Brewster Pacific
1970	1"=500'	Flight Date: February 19, 1970	EDR Proprietary Brewster Pacific
1963	1"=500'	Flight Date: February 28, 1963	USGS
1952	1"=500'	Flight Date: April 12, 1952	USDA
1947	1"=500'	Flight Date: June 29, 1947	FAIR
1938	1"=500'	Flight Date: February 07, 1938	USDA
1928	1"=500'	Flight Date: January 01, 1928	FAIR

When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2019 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

INQUIRY #: 5581670.5

YEAR: 2016

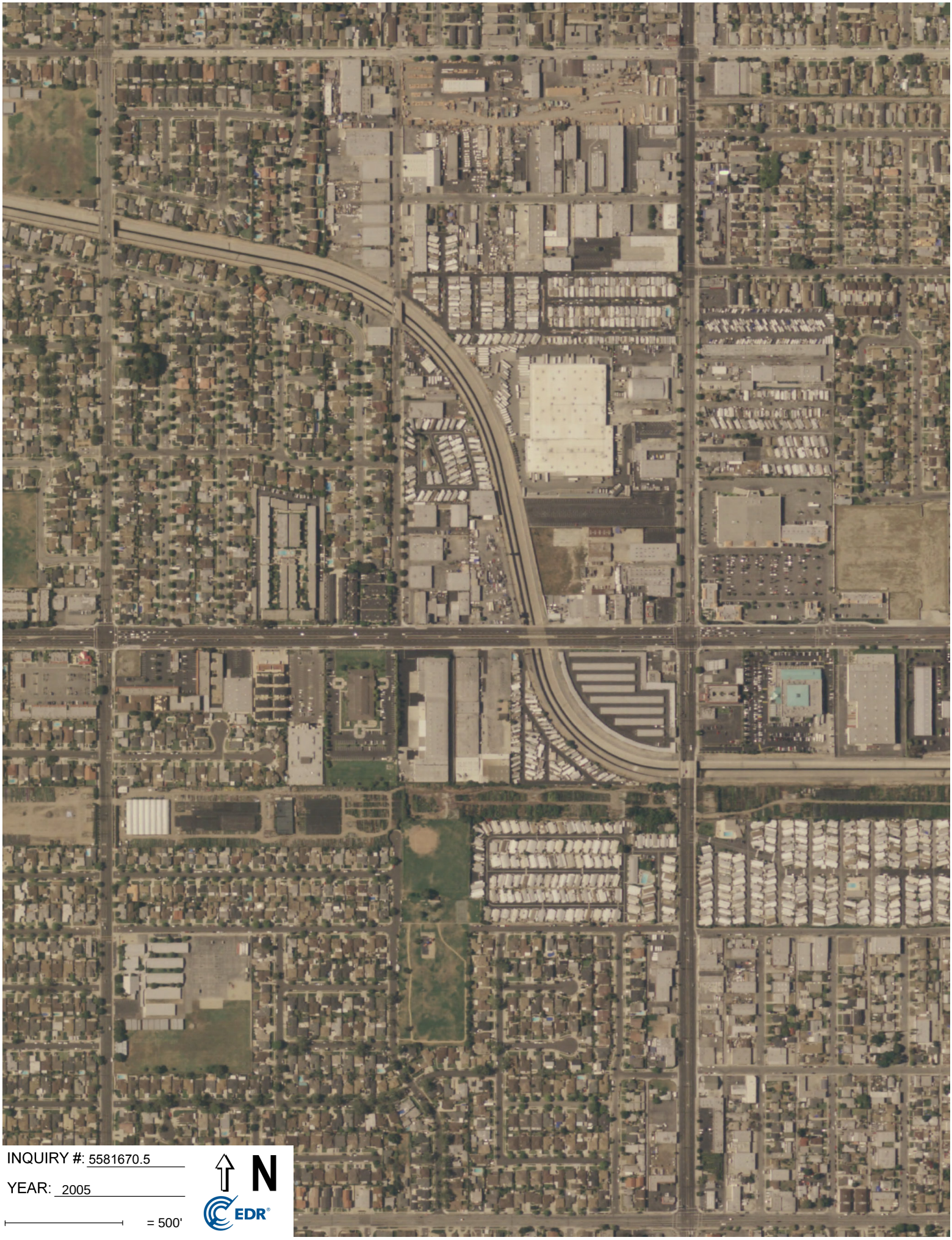
= 500'

N

EDR

INQUIRY #: 5581670.5
YEAR: 2012
= 500'
N
EDR

INQUIRY #: 5581670.5
YEAR: 2009
= 500'
N
EDR


INQUIRY #: 5581670.5
YEAR: 2005
= 500'
N
EDR

INQUIRY #: 5581670.5

YEAR: 2002

= 500'

N

EDR

INQUIRY #: 5581670.5

YEAR: 1994

= 500'

N

EDR

INQUIRY #: 5581670.5

YEAR: 1989

= 500'

N

EDR

INQUIRY #: 5581670.5

YEAR: 1983

= 500'

N

EDR

INQUIRY #: 5581670.5
YEAR: 1977
= 500'
N
EDR

INQUIRY #: 5581670.5
YEAR: 1970
= 500'
N
EDR

INQUIRY #: 5581670.5

YEAR: 1963

= 500'

N

EDR

INQUIRY #: 5581670.5

YEAR: 1952

= 500'

N

EDR

INQUIRY #: 5581670.5

YEAR: 1947

= 500'

N

EDR

INQUIRY #: 5581670.5

YEAR: 1938

= 500'

N

EDR

INQUIRY #: 5581670.5

YEAR: 1928

= 500'

N

EDR

Attachment D

Historic City Directories

Gardena Pumping Plant
1923 W ARTESIA BLVD
GARDENA, CA 90247

Inquiry Number: 5601880.1
March 27, 2019

The EDR-City Directory Abstract

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

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction orforecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2017 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc. or its affiliates is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

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 five year intervals.

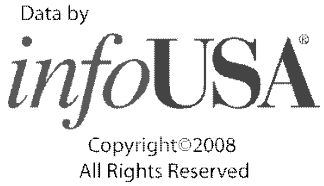
Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1920 through 2014. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

EDR is licensed to reproduce certain City Directory works by the copyright holders of those works. The purchaser of this EDR City Directory Report may include it in report(s) delivered to a customer. Reproduction of City Directories without permission of the publisher or licensed vendor may be a violation of copyright.



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
2014	EDR Digital Archive	X	X	X	-
2010	EDR Digital Archive	X	X	X	-
2006	Haines Company	-	-	-	-
2004	Haines Company	-	-	-	-
2003	Haines & Company	-	-	-	-
2001	Haines & Company, Inc.	-	X	X	-
	Haines & Company, Inc.	X	X	X	-
2000	Pacific Bell Telephone	-	-	-	-
1999	Haines Company	-	-	-	-
1996	GTE	-	-	-	-
1995	Pacific Bell	-	X	X	-
	Pacific Bell	X	X	X	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1992	PACIFIC BELL WHITE PAGES	-	-	-	-
1991	Pacific Bell	-	X	X	-
1990	Pacific Bell	-	X	X	-
	Pacific Bell	X	X	X	-
1986	Pacific Bell	-	X	X	-
	Pacific Bell	X	X	X	-
1985	Pacific Bell	-	X	X	-
1981	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1980	Pacific Telephone	-	X	X	-
1976	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1975	Pacific Telephone	-	X	X	-
1972	R. L. Polk & Co.	-	-	-	-
1971	Pacific Telephone	-	X	X	-
1970	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1969	Pacific Telephone	-	-	-	-
1967	Pacific Telephone	-	X	X	-
1966	Pacific Telephone	-	-	-	-
1965	Pacific Telephone	-	X	X	-
1964	Pacific Telephone	-	X	X	-
1963	Pacific Telephone	-	-	-	-
1962	Pacific Telephone	-	X	X	-
1961	R. L. Polk & Co.	-	-	-	-
1960	Pacific Telephone	-	X	X	-
1958	Pacific Telephone	-	X	X	-
1957	Pacific Telephone	-	X	X	-
1956	Pacific Telephone	-	X	X	-
1955	R. L. Polk & Co.	-	-	-	-
1954	R. L. Polk & Co.	-	-	-	-
1952	Los Angeles Directory Co.	-	-	-	-
1951	Los Angeles Directory Co Publishers	-	-	-	-
1950	Pacific Telephone	-	X	X	-
1949	Los Angeles Directory Co.	-	-	-	-
1948	Los Angeles Directory Co.	-	-	-	-
1947	Pacific Directory Co.	-	-	-	-
1946	Western Directory Co.	-	X	X	-
1945	The Glendale Directory Co.	-	-	-	-
1944	R. L. Polk & Co.	-	-	-	-
1942	Los Angeles Directory Co.	-	-	-	-
1940	Western Directory Co.	-	X	X	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1939	Los Angeles Directory Co.	-	-	-	-
1938	Los Angeles Directory Company Publishers	-	-	-	-
1937	Los Angeles Directory Co.	-	-	-	-
1936	Los Angeles Directory Co.	-	-	-	-
1935	Los Angeles Directory Co.	-	-	-	-
1934	Los Angeles Directory Co.	-	-	-	-
1933	Los Angeles Directory Co.	-	-	-	-
1932	Los Angeles Directory Co.	-	-	-	-
1931	Los Angeles Directory Company Publishers	-	-	-	-
1930	Los Angeles Directory Co.	-	-	-	-
1929	Los Angeles Directory Co.	-	-	-	-
1928	Los Angeles Directory Co.	-	-	-	-
1927	Los Angeles Directory Co.	-	-	-	-
1926	Los Angeles Directory Co.	-	-	-	-
1925	Los Angeles Directory Co.	-	-	-	-
1924	Los Angeles Directory Co.	-	-	-	-
1923	Los Angeles Directory Co.	-	-	-	-
1921	Los Angeles Directory Co.	-	-	-	-
1920	Los Angeles Directory Co.	-	-	-	-

EXECUTIVE SUMMARY

SELECTED ADDRESSES

The following addresses were selected by the client, for EDR to research. An "X" indicates where information was identified.

Address	*Type*	*Findings*
1931 W Artesia Blvd	Client Entered	X
1917 W Artesia Blvd	Client Entered	X
17360 Gramercy Place	Client Entered	X
1935 W Artesia Blvd	Client Entered	X

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

1923 W ARTESIA BLVD
GARDENA, CA 90247

FINDINGS DETAIL

Target Property research detail.

ARTESIA BLVD W

1923 ARTESIA BLVD W

Year	Uses	Source
1995	SPHERICAL PRODUCTS CO	Pacific Bell
1990	SPHERICAL PRODUCTS CO	Pacific Bell

W Artesia Blvd

1923 W Artesia Blvd

Year	Uses	Source
2014	MAJESTIC LIGHTING INC	EDR Digital Archive
2010	MAJESTIC LIGHTING INC	EDR Digital Archive

W ARTESIA BLVD

1923 W ARTESIA BLVD

Year	Uses	Source
2001	HOANGThinh	Haines & Company, Inc.
1995	Spherical Products Co ball mfg	Pacific Bell
1990	SPHERICAL PRODUCTS CO BALL MFG GARDENA	Pacific Bell
1986	SPHERICAL PRODUCTS CO BALL MFG GARDENA	Pacific Bell
1976	Spherical Products Co ball mfg	Pacific Telephone

W Artesia Blvd

1931 W Artesia Blvd

Year	Uses	Source
2014	E S TECHNICAL ROADSPORTS INC	EDR Digital Archive
	RONIN TACTICAL GROUP INC	EDR Digital Archive
2010	PERFECTION AUDIO	EDR Digital Archive

FINDINGS

Year	Uses	Source
2001	DRAG BIKEENGRG	Haines & Company, Inc.
1995	Drag Bike Engineering	Pacific Bell
1990	DRAG BIKE ENGINEERING	Pacific Bell
1981	MOORE S JIM CARPET & FURNITURE CLEANERS GARDENA	Pacific Telephone
1976	Moores Jim Carpet & Furniture Cleaners	Pacific Telephone
1970	BIRD RUG & UPHOLSTERY CLEANERS	Pacific Telephone
	BYRD RUG & UPHOLSTERY CLEANERS	Pacific Telephone

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

Artesia Blvd

1900 Artesia Blvd

Year	Uses	Source
2014	SOCAL CREATIONS	EDR Digital Archive
	ARMANDO LEWIN AIRCRAFT SVCS	EDR Digital Archive
	SOCAL CREATIONS	EDR Digital Archive
	ARMANDO LEWIN AIRCRAFT SVCS	EDR Digital Archive
2010	MAGIC WATERS MHP LP	EDR Digital Archive
	MAGIC WATERS MHP LP	EDR Digital Archive

ARTESIA BLVD

1900 ARTESIA BLVD

Year	Uses	Source
2001	STEARNSTRLRLDG	Haines & Company, Inc.
	PEUG 0 Ruby E	Haines & Company, Inc.
1995	53 ISHIKAWA R	Pacific Bell
	54 EDIE STEVEN R	Pacific Bell
	56 MULFORD E G	Pacific Bell
	65 SEIDEL B	Pacific Bell
	69 CORRELL W A	Pacific Bell
	71 MACINNIS ROBERT	Pacific Bell
	76 STEARNS TRAILER LODGE	Pacific Bell
	7 SAHLI JULIUS	Pacific Bell
	13 STEINR ORVAL	Pacific Bell
	19 BAHNSEN RAY	Pacific Bell
	26 PEUGH RUBY E	Pacific Bell
	29 LINDBORG JIM & LOREIN	Pacific Bell
	30 QUESADA BERTANIA	Pacific Bell
	38 BRADSHAW S	Pacific Bell
	50 SIMES F W	Pacific Bell
1957	HINES JACK	Pacific Telephone

FINDINGS

Artesia Blvd

1918 Artesia Blvd

Year	Uses	Source
2014	MOMIN LODGE	EDR Digital Archive
	MOMIN LODGE	EDR Digital Archive
2010	MOMIN LODGE	EDR Digital Archive
	MOMIN LODGE	EDR Digital Archive

ARTESIA BLVD

1918 ARTESIA BLVD

Year	Uses	Source
2001	SLODGEMomin 00 MOMIN LODGE	Haines & Company, Inc.

Artesia Blvd

1942 Artesia Blvd

Year	Uses	Source
2014	RDS INDUSTRIES INC	EDR Digital Archive
	RICHARD DUANE SMITH FOUNDATION	EDR Digital Archive
	A L S INDUSTRIES INC	EDR Digital Archive
	SHAVER AUTO RESTORATION LLC	EDR Digital Archive
	SHAVER AUTO RESTORATION LLC	EDR Digital Archive
	RDS INDUSTRIES INC	EDR Digital Archive
	A L S INDUSTRIES INC	EDR Digital Archive
	RICHARD DUANE SMITH FOUNDATION	EDR Digital Archive
2010	TORRANCE WOOD PRODUCTS IN	EDR Digital Archive
	RDS INDUSTRIES INC	EDR Digital Archive
	SHAVER AUTO RESTORATION LLC	EDR Digital Archive
	A L S INDUSTRIES INC	EDR Digital Archive
	A L S INDUSTRIES INC	EDR Digital Archive
	SHAVER AUTO RESTORATION LLC	EDR Digital Archive
	RDS INDUSTRIES INC	EDR Digital Archive
	TORRANCE WOOD PRODUCTS IN	EDR Digital Archive

ARTESIA BLVD

1942 ARTESIA BLVD

Year	Uses	Source
2001	6 A LS INDUSTRIES	Haines & Company, Inc.

FINDINGS

Year	Uses	Source
1995	ALS INDUSTRIES INC	Pacific Bell

1984 ARTESIA BLVD

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.

Artesia Blvd

2000 Artesia Blvd

Year	Uses	Source
2014	CHURCH OF JSUS CHRST OF LD STS	EDR Digital Archive
	CHURCH OF JSUS CHRST OF LD STS	EDR Digital Archive
2010	CORPORATION OF PRESIDENT OF TH	EDR Digital Archive
	CORPORATION OF PRESIDENT OF TH	EDR Digital Archive

ARTESIA BLVD

2000 ARTESIA BLVD

Year	Uses	Source
2001	CHURCH JESUS	Haines & Company, Inc.
1995	CHURCH OF JESUS CHRIST OF LATTER DAY SAINTS	Pacific Bell
	CHURCH OF JESUS CHRIST OF LATTER DAY SAINTS	Pacific Bell
	CHURCH OF JESUS CHRIST OF LATTER DAY SAINTS	Pacific Bell
	CHURCH OF JESUS CHRIST OF LATTER DAY SAINTS	Pacific Bell

2001 ARTESIA BLVD

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1981	RADE REDONDO BEACH	Pacific Telephone
	SOUTH BAY MOTORCYCLES REDONDO BEACH	Pacific Telephone
1976	South Bay Motorcycles	Pacific Telephone

Artesia Blvd

2003 Artesia Blvd

Year	Uses	Source
2014	RISIN INC	EDR Digital Archive

FINDINGS

Year	Uses	Source
2014	FREELIN INC	EDR Digital Archive
	C J WORLD	EDR Digital Archive
	C J WORLD	EDR Digital Archive
	RISIN INC	EDR Digital Archive
	FREELIN INC	EDR Digital Archive
2010	SUSAN LINKING	EDR Digital Archive
	SUSAN LINKING	EDR Digital Archive

ARTESIA BLVD

2003 ARTESIA BLVD

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1995	115 ITO DARRYL	Pacific Bell

2009 ARTESIA BLVD

Year	Uses	Source
1976	Scherer & Mc Mullen Ins Agcy	Pacific Telephone

2012 ARTESIA BLVD

Year	Uses	Source
1995	Redondo Beach	Pacific Bell
1976	Stats Floral Supply	Pacific Telephone

2013 ARTESIA BLVD

Year	Uses	Source
1981	EL REDONDO TERMITE CONTROL INC REDONDO BEACH	Pacific Telephone
1976	El Redondo Termite Control Inc	Pacific Telephone
1970	STEINER ROBT E	Pacific Telephone

Artesia Blvd

2025 Artesia Blvd

Year	Uses	Source
2014	UNOCAL FEDERAL CREDIT UNION	EDR Digital Archive
	AMPLIFIRE PRODUCTIONS LLC	EDR Digital Archive
	AMPLIFIRE PRODUCTIONS LLC	EDR Digital Archive
	UNOCAL FEDERAL CREDIT UNION	EDR Digital Archive
2010	UNOCAL FEDERAL CREDIT UNION	EDR Digital Archive
	RAM RECORDING	EDR Digital Archive

Year	Uses	Source
2010	AMPLIFIRE PRODUCTIONS LLC	EDR Digital Archive
	AMPLIFIRE PRODUCTIONS LLC	EDR Digital Archive
	RAM RECORDING	EDR Digital Archive
	UNOCAL FEDERAL CREDIT UNION	EDR Digital Archive

ARTESIA BLVD

2025 ARTESIA BLVD

Year	Uses	Source
2001	MAVROTHERISAlex	Haines & Company, Inc.
	C FUKUTAChieko	Haines & Company, Inc.
1995	D KRALL V	Pacific Bell

Artesia Blvd

2027 Artesia Blvd

Year	Uses	Source
2014	FU SU MEN INC	EDR Digital Archive
	FU SU MEN INC	EDR Digital Archive
2010	FU SU MEN INC	EDR Digital Archive
	FU SU MEN INC	EDR Digital Archive

ARTESIA BLVD

2027 ARTESIA BLVD

Year	Uses	Source
2001	KUMAGAI N	Haines & Company, Inc.
	H ANDERSON Vince	Haines & Company, Inc.
1995	H ANDERSON VINCE	Pacific Bell

2030 ARTESIA BLVD

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.

2039 ARTESIA BLVD

Year	Uses	Source
2001	YANGSeung Ho	Haines & Company, Inc.
	TORRANCE GRDN APTS	Haines & Company, Inc.
1995	174 FUKUI M	Pacific Bell
	173 STEPHENSON M A	Pacific Bell

Year	Uses	Source
1995	155 GUTIERREZ CESAR	Pacific Bell
	152 YUN KIBO	Pacific Bell
	149 PARK K	Pacific Bell
	147 KUTAKA DARYL	Pacific Bell
	140 PLUM JEFFREY S	Pacific Bell
	138 KIEHNE KRISTIN	Pacific Bell
	132 SHIMMURA JUNE	Pacific Bell
	131 MUELLER ROGER	Pacific Bell
	101 TORRANCE GARDEN APARTMENTS	Pacific Bell
	100 PARK DONG HO	Pacific Bell
	98 TANAKA JAY	Pacific Bell
	95 KANESHIRO JAMES	Pacific Bell
	93 GRAEBER JENNY K	Pacific Bell
	91 TAMURA MIKI	Pacific Bell
	175 MOORE BOB	Pacific Bell
	181 BROUNO CO	Pacific Bell

2040 ARTESIA BLVD

Year	Uses	Source
2001	MARIAREGIN	Haines & Company, Inc.
1976	Kaag Trophies	Pacific Telephone

2046 ARTESIA BLVD

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.

ARTESIA BLVD W

1915 ARTESIA BLVD W

Year	Uses	Source
1995	SAMS TOWING	Pacific Bell
1990	SAMS AUTO LAND	Pacific Bell
	KEDAR AUTO SALES	Pacific Bell

1935 ARTESIA BLVD W

Year	Uses	Source
1995	LIFETIME TRANSMISSION	Pacific Bell
1990	SCHUCHARD AUTOMATIC TRANSMISSION EXCH	Pacific Bell

FINDINGS

1939 ARTESIA BLVD W

Year	Uses	Source
1995	NIPPON AUTOMOTIVE	Pacific Bell
1990	NIPPON AUTO MOTIVE	Pacific Bell

1957 ARTESIA BLVD W

Year	Uses	Source
1995	B U-HAUL CO	Pacific Bell
	B ABLE AUTO	Pacific Bell
1990	ABLE SMOG & AUTO REPAIR	Pacific Bell
	SAFELITE AUTO GLASS	Pacific Bell

2025 ARTESIA BLVD W

Year	Uses	Source
1990	B CHATTERIEE DEEPAK	Pacific Bell
	F YENNY DAN	Pacific Bell
	B CHATTERJEE DEEPAK	Pacific Bell
	B CHATTERJEE DEEPAK	Pacific Bell

2027 ARTESIA BLVD W

Year	Uses	Source
1990	F10 YOSHINAGA RAY	Pacific Bell
	H ANDERSON VINCE	Pacific Bell
	D SCHALBE R	Pacific Bell

2039 ARTESIA BLVD W

Year	Uses	Source
1990	TORRANCE GARDEN APARTMENTS	Pacific Bell
	173 OLSON JON	Pacific Bell
	172 YAMAMOTO HIROTO	Pacific Bell
	166 MCINTIRE RALPH E	Pacific Bell
	164 LEE YUNG	Pacific Bell
	162 PARR ELMER	Pacific Bell
	156 KAITO GRACE	Pacific Bell
	155 BERNARD EARL W	Pacific Bell
	152 MCLAUGHLIN MICHAEL	Pacific Bell
	151 TUCKER KENNETH	Pacific Bell
	146 WILSON KEITH	Pacific Bell
	140 PLUM JEFFREY S	Pacific Bell
	131 MUELLER ROGER	Pacific Bell
	130 DAFTER ROBERT & MICHELLE	Pacific Bell

FINDINGS

Year	Uses	Source
1990	123 KURAMI MITSUHIRO	Pacific Bell
	118 WENZEL DENNIS C	Pacific Bell
	117 CASEY JAMES S	Pacific Bell
	116 CHAMBLISS DARRELL	Pacific Bell
	111 FOX ELLEN R	Pacific Bell
	100 KILBRIDE JACOBA	Pacific Bell
	175 BARRY GLEA MRS	Pacific Bell
	99 ESPINUEVA JIM P	Pacific Bell

GRAMERCY PL

17210 GRAMERCY PL

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.

Gramercy Pl

17212 Gramercy Pl

Year	Uses	Source
2014	MEST RALPH D AND SON	EDR Digital Archive
	ANTIQUE AUTO REPAIR	EDR Digital Archive
	ANTIQUE AUTO REPAIR	EDR Digital Archive
	MEST RALPH D AND SON	EDR Digital Archive
2010	MEST RALPH D AND SON	EDR Digital Archive
	ANTIQUE AUTO REPAIR	EDR Digital Archive
	ANTIQUE AUTO REPAIR	EDR Digital Archive
	MEST RALPH D AND SON	EDR Digital Archive

GRAMERCY PL

17212 GRAMERCY PL

Year	Uses	Source
2001	MESTALAN	Haines & Company, Inc.

Gramercy Pl

17224 Gramercy Pl

Year	Uses	Source
2014	GRAMERCY AEROSPACE MFG LLC	EDR Digital Archive
	GRAMERCY AEROSPACE MFG LLC	EDR Digital Archive

FINDINGS

Year	Uses	Source
2010	GRAMERCY AEROSPACE MFG LLC	EDR Digital Archive
	GRAMERCY AEROSPACE MFG LLC	EDR Digital Archive

GRAMERCY PL

17224 GRAMERCY PL

Year	Uses	Source
2001	SWEENEY	Haines & Company, Inc.

17320 GRAMERCY PL

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.

17341 GRAMERCY PL

Year	Uses	Source
1946	VACANFT	Western Directory Co.
1940	MCLEAN CLIFFORDR MONTEA	Western Directory Co.
	MCLEAN MACKAY (EDITH)R MONETA	Western Directory Co.
	MCLEAN HOWARD A (LORENA) OILWKRH MONETA	Western Directory Co.

Gramercy Pl

17360 Gramercy Pl

Year	Uses	Source
2014	GUADAGNI TONY	EDR Digital Archive
	GUADAGNI TONY	EDR Digital Archive

GRAMERCY PL

17360 GRAMERCY PL

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.

17362 GRAMERCY PL

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.

FINDINGS

GRAMERCY PL S

17224 GRAMERCY PL S

Year	Uses	Source
1995	SWEENEY ENGINEERING CORP	Pacific Bell
1990	SWEENEY ENGINEERING CORP	Pacific Bell

17360 GRAMERCY PL S

Year	Uses	Source
1995	FLOROD CORP	Pacific Bell
1990	FLOROD CORP	Pacific Bell
	T M E	Pacific Bell

Gramercy Place

17360 Gramercy Place

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1995	FLOROD CORP	Pacific Bell
1990	T M E	Pacific Bell
	FLOROD CORP	Pacific Bell
1981	JACK & TOD S AUTO BODY & PAINTING GARDENA	Pacific Telephone

GRAMEREY PL

17341 GRAMEREY PL

Year	Uses	Source
1940	MCLEARN BERTRMONTEA	Western Directory Co.

ILLINOIS CT

17202 ILLINOIS CT

Year	Uses	Source
1990	KAWASHIRI SHIGERU	Pacific Bell
1985	KAWASHIRI SHIGERU	Pacific Bell
1964	RAEL JERRY N	Pacific Telephone
1960	ARNOLD WILMER G	Pacific Telephone
1957	ARNOLD WLLMER G	Pacific Telephone

FINDINGS

17203 ILLINOIS CT

Year	Uses	Source
2001	t BRAOtorrane	Haines & Company, Inc.
1960	STADLER OSCAR JR	Pacific Telephone
1957	STADLER OSCAR JR	Pacific Telephone

17206 ILLINOIS CT

Year	Uses	Source
2001	DUN Martin	Haines & Company, Inc.
1960	LEE ELGY	Pacific Telephone
1957	LEE ELGY	Pacific Telephone

17207 ILLINOIS CT

Year	Uses	Source
1960	ELLIOTT SANFORD L JR	Pacific Telephone
1957	ELLIOTT SANFORD L JR	Pacific Telephone

17210 ILLINOIS CT

Year	Uses	Source
2001	EAGLESMchael	Haines & Company, Inc.
1985	HEATH HENRY J	Pacific Bell
1980	HEATH HENRY J	Pacific Telephone
1970	SANDERS G E	Pacific Telephone
1964	SANDERS G E	Pacific Telephone
1960	SANDERS GERALD E	Pacific Telephone
1957	SANDERS GERALD E	Pacific Telephone

17211 ILLINOIS CT

Year	Uses	Source
2001	SHIMIZUJason	Haines & Company, Inc.
1980	AGUSSOEKARNO JOSEF S	Pacific Telephone
1964	JOHNSON JERRY R	Pacific Telephone
1960	CARUSO S G	Pacific Telephone
1957	WEDEL E R	Pacific Telephone

17214 ILLINOIS CT

Year	Uses	Source
2001	BURKESlephen	Haines & Company, Inc.
1980	CHILES LAWRENCE L	Pacific Telephone
1970	LONG HERBERT	Pacific Telephone
1964	LONG HERBERT B	Pacific Telephone

FINDINGS

Year	Uses	Source
1960	LONG HERBERT B	Pacific Telephone
	MONIZ DIXIE LEE	Pacific Telephone
1957	LONG HERBERT B	Pacific Telephone
	MONIZ DIXIE LEE	Pacific Telephone

Illinois Ct

17215 Illinois Ct

Year	Uses	Source
2014	POWER PRO PLUMBING INC	EDR Digital Archive
	POWER PRO PLUMBING INC	EDR Digital Archive
2010	POWER PRO PLUMBING INC	EDR Digital Archive
	POWER PRO PLUMBING INC	EDR Digital Archive

ILLINOIS CT

17215 ILLINOIS CT

Year	Uses	Source
2001	RODRIGUEZRaul	Haines & Company, Inc.
1985	SLETTEN LESLIE & DOROTHY	Pacific Bell
1970	SLETTEN LESLIE M	Pacific Telephone

17297 ILLINOIS CT

Year	Uses	Source
2001	OKASUYAMACurtis	Haines & Company, Inc.

S GRAMERCY PL

17224 S GRAMERCY PL

Year	Uses	Source
1991	SWEENEY ENGINEERING CORP	Pacific Bell
1990	SWEENEY ENGINEERING CORP GARDENA	Pacific Bell
1986	SWEENEY ENGINEERING CORP GARDENA	Pacific Bell
1985	SWEENEY ENGINEERING CORP	Pacific Bell
	SWEENEY ENGINEERING CORP	Pacific Bell
	SWEENEY ENGINEERING CORP	Pacific Bell
1981	B & T MACHINE INC GARDENA	Pacific Telephone
1980	B & T MACHINE INC	Pacific Telephone
1975	B & T MACHINE INC	Pacific Telephone

Year	Uses	Source
1971	B & T Machine Inc	Pacific Telephone
1967	B & T Machine Inc	Pacific Telephone
1964	B & T MACHINE INC	Pacific Telephone
1962	B & T Machine Inc	Pacific Telephone
1958	B & T Machine Inc	Pacific Telephone
1957	B & B ELECTRONICS CORP	Pacific Telephone

17341 S GRAMERCY PL

Year	Uses	Source
1950	MACLEAN JAS H R	Pacific Telephone

17360 S GRAMERCY PL

Year	Uses	Source
1981	JACK & TOD S AUTO BODY & PAINTING GARDENA	Pacific Telephone

17363 S GRAMERCY PL

Year	Uses	Source
1950	PIRKWM CO MEATS	Pacific Telephone

W ARTESIA BLVD

1825 W ARTESIA BLVD

Year	Uses	Source
2001	CUSTOM TROPHY CO	Haines & Company, Inc.
1995	Custom Trophy Co	Pacific Bell
1991	CUSTOM TROPHY CO	Pacific Bell
1990	CUSTOM TROPHY CO GARDENA	Pacific Bell
1986	CUSTOM TROPHY CO GARDENA	Pacific Bell
1985	CUSTOM TROPHY CO	Pacific Bell
1980	CUSTOM TROPHY CO	Pacific Telephone
1976	CUSTOM TROPHY CO	Pacific Telephone
1970	CUSTOM TROPHY CO	Pacific Telephone

W Artesia Blvd

1837 W Artesia Blvd

Year	Uses	Source
2014	TIRE ZONE	EDR Digital Archive
	ABC AUTO REPAIR & TIRE INC	EDR Digital Archive
	ABC AUTO REPAIR & TIRE INC	EDR Digital Archive

FINDINGS

Year	Uses	Source
2014	TIRE ZONE	EDR Digital Archive
2010	TIRE ZONE	EDR Digital Archive
	TIRE ZONE	EDR Digital Archive

1843 W Artesia Blvd

Year	Uses	Source
2014	FOREIGN AUTO BODY	EDR Digital Archive
	FOREIGN AUTO BODY	EDR Digital Archive
2010	FOREIGN AUTO BODY	EDR Digital Archive
	FOREIGN AUTO BODY	EDR Digital Archive

W ARTESIA BLVD

1900 W ARTESIA BLVD

Year	Uses	Source
1995	Amador E	Pacific Bell
	Bahnsen Ray	Pacific Bell
	Ballard Robert H	Pacific Bell
	Bradshaw S	Pacific Bell
	Clark B J	Pacific Bell
	Correll W A	Pacific Bell
	Edie Steven R	Pacific Bell
	Flanagan Russ	Pacific Bell
	Glynn Steven C	Pacific Bell
	Greene Candice J	Pacific Bell
	Guarini Theresa J	Pacific Bell
	Ishikawa R	Pacific Bell
	Lindborg Jim & Lorein	Pacific Bell
	Macinnis Robert	Pacific Bell
	Mulford E G	Pacific Bell
	Nesbit Jay	Pacific Bell
	Peugh Ruby E	Pacific Bell
	Quesada Bertania	Pacific Bell
	Sahli Julius	Pacific Bell
	Seidel B	Pacific Bell
	Simes F W	Pacific Bell
	Stearns Trailer Lodge	Pacific Bell
	Steiner Orval	Pacific Bell
1990	SAHLI JULIUS TORRANCE	Pacific Bell

FINDINGS

Year	Uses	Source
1986	SAHLI JULIUS TORRANCE	Pacific Bell
1981	SAHLI JULIUS TORRANCE	Pacific Telephone
1970	ADLER WALTER F	Pacific Telephone
	ANDERSON ELEANOR M	Pacific Telephone
	ANGELL NAVILLIE	Pacific Telephone
	BALL T C	Pacific Telephone
	BRESSON ADELINE	Pacific Telephone
	CLARK JEAN	Pacific Telephone
	COLWELL DAVID WAYNE	Pacific Telephone
	CORRELL W A	Pacific Telephone
	DOYLE JOHN M	Pacific Telephone
	EICHHRN CHAS M	Pacific Telephone
	FOWLER STEVEN	Pacific Telephone
	GAMEZ URBANO	Pacific Telephone
	HANSEN D G	Pacific Telephone
	HICKS S A	Pacific Telephone
	JOHNSON WM T JR	Pacific Telephone
	JOINER HORACE T	Pacific Telephone
	KELLNER SY	Pacific Telephone
	KNIPPEL EDW W	Pacific Telephone
	LAWLER MARY	Pacific Telephone
	LYTLE BESSIE	Pacific Telephone
	MACDONALD MARK	Pacific Telephone
	MAC INNIS JAS F	Pacific Telephone
	MATTSON LINDA V MRS	Pacific Telephone
	MONTGOMERY ROBT W	Pacific Telephone
	NORDIN HARRY E	Pacific Telephone
	OLSON CARRIE	Pacific Telephone
	PARKER LOIS T	Pacific Telephone
	PEUGH RUBY E	Pacific Telephone
	ROBERTS D M	Pacific Telephone
	ROUG ERIC	Pacific Telephone
	SAHLI JULIUS	Pacific Telephone
	SHEA ARTHUR E	Pacific Telephone
	SOLOMON MURRY	Pacific Telephone
	STEARNS TRAILER LODGE	Pacific Telephone
	TONEY VIRGINIA	Pacific Telephone
	TOWNER JOHN H	Pacific Telephone

Year	Uses	Source
1970	TURNER WALTER J	Pacific Telephone

W Artesia Blvd

1915 W Artesia Blvd

Year	Uses	Source
2014	KASKANIAN ENTERPRISES INC	EDR Digital Archive
	KASKANIAN ENTERPRISES INC	EDR Digital Archive
2010	KASKANIAN ENTERPRISES INC	EDR Digital Archive
	KASKANIAN ENTERPRISES INC	EDR Digital Archive

W ARTESIA BLVD

1915 W ARTESIA BLVD

Year	Uses	Source
2001	AJUNITEO	Haines & Company, Inc.
1995	Sams Towing	Pacific Bell

W Artesia Blvd

1917 W Artesia Blvd

Year	Uses	Source
2014	KAZ MOTORS	EDR Digital Archive
	SAMS HEAVY EQUIPMENT PAINTING	EDR Digital Archive
	KAZ MOTORS	EDR Digital Archive
	SAMS HEAVY EQUIPMENT PAINTING	EDR Digital Archive
2010	SAMS HEAVY EQUIPMENT PAINTING	EDR Digital Archive
	KAZ MOTORS	EDR Digital Archive
	SAMS HEAVY EQUIPMENT PAINTING	EDR Digital Archive
	KAZ MOTORS	EDR Digital Archive
2001	SAMS HEAVY	Haines & Company, Inc.
	XXXX	Haines & Company, Inc.
1995	SAMS HEAVY EQUIPMENT PAINTING	Pacific Bell
1990	JACK & TODS AUTO BODY & PAINTING	Pacific Bell

W ARTESIA BLVD

1918 W ARTESIA BLVD

Year	Uses	Source
1995	Thiem Industries	Pacific Bell

FINDINGS

Year	Uses	Source
1991	THIEM INDUSTRIES	Pacific Bell
1990	THIEM INDUSTRIES TORRANCE	Pacific Bell
1986	THIEM INDUSTRIES TORRANCE	Pacific Bell
1985	THIEM INDUSTRIES	Pacific Bell
1981	THIEM INDUSTRIES TORRANCE	Pacific Telephone
1980	THIEM INDUSTRIES	Pacific Telephone
	Thiem Industries	Pacific Telephone
1970	SCHAUWECKER H E AND ASSOCIATES	Pacific Telephone
	THIEM INDUSTRIES	Pacific Telephone

1933 W ARTESIA BLVD

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1970	CHAVEZ PAT	Pacific Telephone

W Artesia Blvd

1935 W Artesia Blvd

Year	Uses	Source
2014	EL TAPATIO CENTER	EDR Digital Archive
	EL TAPATIO CENTER	EDR Digital Archive
2010	EL TAPATIO CENTER	EDR Digital Archive
	M & T AUTO	EDR Digital Archive
	EL TAPATIO CENTER	EDR Digital Archive
	M & T AUTO	EDR Digital Archive

W ARTESIA BLVD

1935 W ARTESIA BLVD

Year	Uses	Source
2001	UFETIMETRNSMSN	Haines & Company, Inc.

W Artesia Blvd

1935 W Artesia Blvd

Year	Uses	Source
2001	UFETIMETRNSMSN	Haines & Company, Inc.
1995	Lifetime Transmission	Pacific Bell
	LIFETIME TRANSMISSION	Pacific Bell

FINDINGS

W ARTESIA BLVD

1935 W ARTESIA BLVD

Year	*Uses*	*Source*
1995	Lifetime Transmission	Pacific Bell
1990	SCHUCHARD AUTOMATIC TRANSMISSION EXCH GARDENA	Pacific Bell

W Artesia Blvd

1935 W Artesia Blvd

Year	*Uses*	*Source*
1990	SCHUCHARD AUTOMATIC TRANSMISSION EXCH	Pacific Bell
	SCHUCHARD AUTOMATIC TRANSMISSION EXCH GARDENA	Pacific Bell
1986	SCHUCHARD AUTOMATIC TRANSMISSION EXCH GARDENA	Pacific Bell

W ARTESIA BLVD

1935 W ARTESIA BLVD

Year	*Uses*	*Source*
1986	SCHUCHARD AUTOMATIC TRANSMISSION EXCH GARDENA	Pacific Bell
1981	SCHUCHARD AUTOMATIC TRANSMISSION EXCH GARDENA	Pacific Telephone

W Artesia Blvd

1935 W Artesia Blvd

Year	*Uses*	*Source*
1981	SCHUCHARD AUTOMATIC TRANSMISSION EXCH GARDENA	Pacific Telephone
1976	Schuchard Automatic Transmission Exch	Pacific Telephone

W ARTESIA BLVD

1935 W ARTESIA BLVD

Year	*Uses*	*Source*
1976	Schuchard Automatic Transmission Exch	Pacific Telephone
1970	SCHUCHARD AUTOMATIC TRANSMISSION EXCH	Pacific Telephone

FINDINGS

W Artesia Blvd

1935 W Artesia Blvd

Year	Uses	Source
1970	SCHUCHARD AUTOMATIC TRANSMISSION EXCH	Pacific Telephone

1939 W Artesia Blvd

Year	Uses	Source
2014	M & T AUTO	EDR Digital Archive
	M & T AUTO	EDR Digital Archive

W ARTESIA BLVD

1939 W ARTESIA BLVD

Year	Uses	Source
2001	NIPPON AUTOMOTIVE	Haines & Company, Inc.
1995	Nippon Automotive	Pacific Bell

1942 W ARTESIA BLVD

Year	Uses	Source
1995	ALS Industries Inc	Pacific Bell
1970	I T T HAYES	Pacific Telephone

W Artesia Blvd

1957 W Artesia Blvd

Year	Uses	Source
2014	SERRANO OSWALDO MISAEL	EDR Digital Archive
	HEX MUFFLER SHOP	EDR Digital Archive
	ABLE AUTO REPAIR	EDR Digital Archive
	SUNNYKEN INC	EDR Digital Archive
	SUN SMOG CORP	EDR Digital Archive
	HEX MUFFLER SHOP	EDR Digital Archive
	SERRANO OSWALDO MISAEL	EDR Digital Archive
	SUNNYKEN INC	EDR Digital Archive
	ABLE AUTO REPAIR	EDR Digital Archive
	SUN SMOG CORP	EDR Digital Archive
2010	SUN SMOG CORP	EDR Digital Archive
	MORENO HECTOR	EDR Digital Archive
	ABLE AUTO REPAIR	EDR Digital Archive

Year	Uses	Source
2010	SUN SMOG CORP	EDR Digital Archive
	MORENO HECTOR	EDR Digital Archive
	ABLE AUTO REPAIR	EDR Digital Archive

W ARTESIA BLVD

1957 W ARTESIA BLVD

Year	Uses	Source
2001	ELTAPATIO TIRES 310 354 S	Haines & Company, Inc.
1995	Safelite Auto Glass	Pacific Bell
	Able Auto	Pacific Bell
1970	LERNER OIL CO INC	Pacific Telephone
	LERNER OIL CO INC	Pacific Telephone

2000 W ARTESIA BLVD

Year	Uses	Source
1995	Wards Torrance Second Ward	Pacific Bell
	Church Of Jesus Christ Of Latter Day Saints The Stakes Torrance North Stake Presidents Office	Pacific Bell
	Wards Gardena Ward	Pacific Bell
	Church Of Jesus Christ Of Latter Day Saints The Stakes Torrance North Stake Presidents Office	Pacific Bell
	Stake Presidents Office	Pacific Bell
	Church Of Jesus Christ Of Latter Day Saints The Stakes Torrance North Stake	Pacific Bell
	Foyer Phones Stake Center	Pacific Bell
	Church Of Jesus Christ Of Latter Day Saints The Stakes Torrance North Stake	Pacific Bell
1970	MORMON CHURCH	Pacific Telephone
	LATTER-DAY SAINTS CHURCH OF JESUS CHRIST OF	Pacific Telephone
	CHURCH OF JESUS CHRIST OF LATTER DAY SAINTS	Pacific Telephone
	CHURCH OF JESUS CHRIST OF LATTER DAY SAINTS	Pacific Telephone
	CHURCH OF JESUS CHRIST OF LATTER DAY SAINTS	Pacific Telephone

2001 W ARTESIA BLVD

Year	Uses	Source
1986	SPENAX WEST TORRANCE	Pacific Bell

FINDINGS

Year	Uses	Source
1981	AVALON STAPLE MFG CO TORRANCE	Pacific Telephone
1970	TRANS-REX	Pacific Telephone
	TRANSREX	Pacific Telephone
	TRANSREX DIVISION OF GULTON INDUSTRIES INC	Pacific Telephone

2003 W ARTESIA BLVD

Year	Uses	Source
1995	Ito Darryl	Pacific Bell

2011 W ARTESIA BLVD

Year	Uses	Source
1970	INGERSOLL-RAND AIR COMPRESSOR DISTRIBUTORS	Pacific Telephone

2027 W ARTESIA BLVD

Year	Uses	Source
1995	Anderson Vince	Pacific Bell

2039 W ARTESIA BLVD

Year	Uses	Source
1995	Cheng Heng	Pacific Bell
	Graeber Jenny K	Pacific Bell
	Killbride Jacoba	Pacific Bell
	Kohmann K	Pacific Bell
	Lim Yeane	Pacific Bell
	Mc Laughlin Michael	Pacific Bell
	Moore Bob	Pacific Bell
	Mueller Roger	Pacific Bell
	Okamura F	Pacific Bell
	Park K	Pacific Bell
	Parr Elmer	Pacific Bell
	Plum Jeffrey S	Pacific Bell
	Stephenson M A	Pacific Bell
	Tamura Miki	Pacific Bell
	Torrance Garden Apartments	Pacific Bell
1981	FUJIMOTO P TORRANCE	Pacific Telephone
1970	ABRAM HOWARD H	Pacific Telephone
	ALLINSON WM L	Pacific Telephone
	BAGLEY EUGENE H	Pacific Telephone

FINDINGS

Year	Uses	Source
1970	BAGNALL PHILLIP	Pacific Telephone
	BENSON DOUGLES P	Pacific Telephone
	CAMARILLO TOMMY A	Pacific Telephone
	CLAYTON WHITEY	Pacific Telephone
	CONNELL TED M	Pacific Telephone
	DELGADO ELFRIEDE	Pacific Telephone
	EDWARDS HEDY	Pacific Telephone
	EVENSON JOHN	Pacific Telephone
	FLETCHER GEO T	Pacific Telephone
	FRIEDMAN HARRIET	Pacific Telephone
	GRAMLY LUTHER W REV	Pacific Telephone
	GRAVEL JERRY G	Pacific Telephone
	HALFAKER RONALD C	Pacific Telephone
	HALL JAS	Pacific Telephone
	HATCH DAVID G	Pacific Telephone
	HENK JOS L	Pacific Telephone
	IRWIN CHERI	Pacific Telephone
	JOE TAKAJI	Pacific Telephone
	KAY HEINZ	Pacific Telephone
	KELLY JUDITH L	Pacific Telephone
	KLOOTWYK JOHN	Pacific Telephone
	KORNEGAY H J	Pacific Telephone
	KYLE TED	Pacific Telephone
	LEMBERGER MARY B	Pacific Telephone
	LEMBERGER SID MRS	Pacific Telephone
	LOVE WARREN	Pacific Telephone
	LOVING STEPHEN P	Pacific Telephone
	MALICOAT TRAVIS	Pacific Telephone
	MARKS HARRY W	Pacific Telephone
	MATTHES ERNEST E	Pacific Telephone
	MCCOY THOS J	Pacific Telephone
	MC CUNE JAS D	Pacific Telephone
	MILLAR ROBT I	Pacific Telephone
	MOORE HUBERT T	Pacific Telephone
	MORLEY PHYLLIS E	Pacific Telephone
	MUELLER ROGER	Pacific Telephone
	OVERSTREET GARY F	Pacific Telephone
	PIPPEN DORIS M	Pacific Telephone

Year	Uses	Source
1970	RAINEY S A	Pacific Telephone
	RIDDLE CLAUDE J	Pacific Telephone
	ROGERS WM J	Pacific Telephone
	ROSENSON E	Pacific Telephone
	SCHELLHORN P JERRY	Pacific Telephone
	SMITH ILA L	Pacific Telephone
	STORY S A	Pacific Telephone
	STOTTLEMEYER C M JR	Pacific Telephone
	STROTTNER C A	Pacific Telephone
	SUTTON GENEVIVE	Pacific Telephone

2040 W ARTESIA BLVD

Year	Uses	Source
1995	Freeman Products	Pacific Bell
1990	FREEMAN PRODUCTS TORRANCE	Pacific Bell
1986	FREEMAN PRODUCTS TORRENCE	Pacific Bell
1981	MEISEL C MUSIC CO INC TORRANCE	Pacific Telephone

2046 W ARTESIA BLVD

Year	Uses	Source
1970	COLE ARLIE	Pacific Telephone

W ARTESIA ST

1825 W ARTESIA ST

Year	Uses	Source
1971	CUSTOM TROPHY CO	Pacific Telephone
1970	CUSTOM TROPHY CO	Pacific Telephone
	CUSTOM TROPHY CO	Pacific Telephone
	CUSTOM TROPHY CO	Pacific Telephone
1967	CUSTOM TROPHY CO	Pacific Telephone
1965	CUSTOM TROPHY CO	Pacific Telephone

1918 W ARTESIA ST

Year	Uses	Source
1971	THIEM INDUSTRIES	Pacific Telephone
1970	THIEM INDUSTRIES	Pacific Telephone
	THIEM INDUSTRIES	Pacific Telephone
	THIEM INDUSTRIES	Pacific Telephone

FINDINGS

2001 W ARTESIA ST

Year	Uses	Source
1965	WESTERN AIR & HYDRAULICS INC	Pacific Telephone
	WESTERN AIR COMPRESSOR CO	Pacific Telephone
	INGERSOLL-RAND AIR COMPRESSOR DISTRIBUTORS	Pacific Telephone
1962	WESTERN AIR COMPRESSOR CO	Pacific Telephone
	INGERSOLL-RAND AIR COMPRESSOR DISTRIBUTORS	Pacific Telephone
	WESTERN AIR COMPRESSOR CO	Pacific Telephone
	INGERSOLL-RAND AIR COMPRESSOR DISTRS	Pacific Telephone
1958	WESTRN AIR COMPRESSOR CO	Pacific Telephone
1956	WESTRN AIR COMPRESSOR CO	Pacific Telephone

2011 W ARTESIA ST

Year	Uses	Source
1971	WESTERN AIR COMPRESSOR CO INC	Pacific Telephone
	INGERSOLL AND AIR COMPRESSOR DISTRIBUTORS	Pacific Telephone
1970	WESTERN AIR & HYDRAULICS INC	Pacific Telephone
	WESTERN AIR COMPRESSOR CO	Pacific Telephone
	INGERSOLL RAND AIR COMPRESSOR DISTRIBUTORS	Pacific Telephone
	WESTERN AIR & HYDRAULICS INC	Pacific Telephone
	INGERSOLL-RAND AIR COMPRESSOR DISTRIBUTORS	Pacific Telephone
	INGERSOLL RAND AIR COMPRESSOR DISTRIBUTORS	Pacific Telephone
	WESTERN AIR COMPRESSOR CO	Pacific Telephone

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
17202 ILLINOIS CT	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17203 ILLINOIS CT	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17206 ILLINOIS CT	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17207 ILLINOIS CT	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17210 GRAMERCY PL	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17210 ILLINOIS CT	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17211 ILLINOIS CT	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17212 GRAMERCY PL	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17212 Gramercy Pl	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
17212 Gramercy Pl	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17214 ILLINOIS CT	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17215 ILLINOIS CT	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17215 Illinois Ct	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17215 Illinois Ct	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17224 Gramercy Pl	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17224 Gramercy Pl	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17224 GRAMERCY PL	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17224 GRAMERCY PL S	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17224 S GRAMERCY PL	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1976, 1972, 1970, 1969, 1966, 1965, 1963, 1961, 1960, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17297 ILLINOIS CT	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
17320 GRAMERCY PL	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17341 GRAMERCY PL	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17341 GRAMEREY PL	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17341 S GRAMERCY PL	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17360 GRAMERCY PL	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17360 Gramercy Pl	2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17360 Gramercy Pl	2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17360 GRAMERCY PL S	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17360 Gramercy Place	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17360 S GRAMERCY PL	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
17362 GRAMERCY PL	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
17363 S GRAMERCY PL	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1825 W ARTESIA BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1981, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1825 W ARTESIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1969, 1966, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1837 W Artesia Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1837 W Artesia Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1843 W Artesia Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1843 W Artesia Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1900 Artesia Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1900 Artesia Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1900 ARTESIA BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1900 W ARTESIA BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1915 ARTESIA BLVD W	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1915 W ARTESIA BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1915 W Artesia Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1915 W Artesia Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1917 W Artesia Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1917 W Artesia Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1917 W Artesia Blvd	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1918 ARTESIA BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1918 Artesia Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1918 Artesia Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1918 W ARTESIA BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1918 W ARTESIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1933 W ARTESIA BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1935 ARTESIA BLVD W	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1935 W Artesia Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1935 W ARTESIA BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1985, 1980, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1935 W Artesia Blvd	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1985, 1980, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1935 W Artesia Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1939 ARTESIA BLVD W	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1939 W ARTESIA BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1939 W Artesia Blvd	2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1939 W Artesia Blvd	2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1942 Artesia Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1942 Artesia Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1942 ARTESIA BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1942 W ARTESIA BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1957 ARTESIA BLVD W	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1957 W ARTESIA BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1957 W Artesia Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1957 W Artesia Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1984 ARTESIA BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2000 ARTESIA BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2000 Artesia Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
2000 Artesia Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2000 W ARTESIA BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2001 ARTESIA BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2001 W ARTESIA BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2001 W ARTESIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1964, 1963, 1961, 1960, 1957, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2003 ARTESIA BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2003 Artesia Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2003 Artesia Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2003 W ARTESIA BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2009 ARTESIA BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2011 W ARTESIA BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
2011 W ARTESIA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2012 ARTESIA BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2013 ARTESIA BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2025 ARTESIA BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2025 Artesia Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2025 Artesia Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2025 ARTESIA BLVD W	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2027 ARTESIA BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2027 Artesia Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2027 Artesia Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2027 ARTESIA BLVD W	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
2027 W ARTESIA BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2030 ARTESIA BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2039 ARTESIA BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2039 ARTESIA BLVD W	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2039 W ARTESIA BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2040 ARTESIA BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2040 W ARTESIA BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2046 ARTESIA BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2046 W ARTESIA BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 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
1923 W ARTESIA BLVD	2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1985, 1980, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

Appendix D

Noise Measurement Data

APPENDIX D-1

Field Noise Data Sheets

DUDEK

FIELD NOISE MEASUREMENT DATA

PROJECT: GARDENA PUMP STATION — PROJECT #: 10632
SITE ID:
SITE ADDRESS:
OBSERVER(S): PETE VITAR
START DATE: 3/28/19 — END DATE: 3/28/19
START TIME: — END TIME:

METEOROLOGICAL CONDITIONS
TEMP: 60 F — HUMIDITY: 76 % R.H. — WIND: (CALM) LIGHT MODERATE VARIABLE STEADY GUSTY
WINDSPD: MPH — DIR. N NE S SE S SW W NW
SKY: SUNNY CLEAR OVRCAST (PRTLY CLDY) FOG — RAIN

ACOUSTIC MEASUREMENTS
MEAS. INSTRUMENT: PICCOLO SLM-3 — TYPE 1 2 — SERIAL # 403170041
CALIBRATOR: BSVA MM CA IN — SERIAL # 480151
CALIBRATION CHECK — PRE-TEST: dBA SPL — POST-TEST: dBA SPL — WINDSCRN: YES

SETTINGS: A-WTD (SLOW) FAST FRONTAL RANDOM ANSI OTHER:

REC. #	BEGIN	END	Leq	Lmax	Lmin	L90	L50	L10	OTHER (SPECIFY METRIC
ST-1 24-25	9:40	9:56	70.9	79.9	56.7				

COMMENTS
READING TAKEN ALONG SIDE BUILDING AT 1915 W. ARTESIA BLVD (COMMERCIAL); PRIMARY NOISE SOURCE IS TRAFFIC ON W. ARTESIA BLVD;

SOURCE INFO AND TRAFFIC COUNTS
PRIMARY NOISE SOURCE: (TRAFFIC) AIRCRAFT RAIL INDUSTRIAL OTHER:
ROADWAY TYPE: ASPHALT — DIST. TO RDWY C/L OR (EOP): ADX 75' FROM W. ARTESIA
TRAFFIC COUNT DURATION: — MIN — SPEED — MIN — SPEED

COUNT 1 (OR RDWY 1)	DIRECTION	NB/EB	SB/WB	NB/EB	SB/WB
	AUTOS				
	MED TRKS				
	HVY TRKS				
	BUSES				
	MOTRCLS				

IF COUNTING BOTH DIRECTIONS AS ONE, CHECK HERE

COUNT 2 (OR RDWY 2)	NB/EB	SB/WB	NB/EB	SB/WB

SPEEDS ESTIMATED BY: RADAR / DRIVING THE PACE
POSTED SPEED LIMIT SIGNS SAY: 45 MPH (ON W. ARTESIA BLVD)

OTHER NOISE SOURCES (BACKGROUND): DIST. AIRCRAFT RUSTLING LEAVES DIST. BARKING DOGS (BIRDS) DIST. INDUSTRIAL
DIST. KIDS PLAYING DIST. CONVRSTNS / YELLING DIST. TRAFFIC (LIST RDWYS BELOW) DISTD GARDENERS/LANDSCAPING NOISE
OTHER:

DESCRIPTION / SKETCH
TERRAIN: (HARD) SOFT MIXED FLAT OTHER:
PHOTOS: 4094; 4095; 4096; 4097; 4098; 4099; 4100; 4101
OTHER COMMENTS / SKETCH

DUDEK

FIELD NOISE MEASUREMENT DATA

PROJECT: CARDENA PUMP STATION — PROJECT #: 10632
SITE ID:
SITE ADDRESS:
OBSERVER(S): PETE VITAR
START DATE: 3/28/19 — END DATE: 3/28/19
START TIME: — END TIME:

METEOROLOGICAL CONDITIONS
TEMP: 61 F — HUMIDITY: 72 % R.H. — WIND: (CALM) LIGHT MODERATE
WINDSPD: ____ MPH — DIR. N NE S SE S SW W NW — VARIABLE STEADY GUSTY
SKY: SUNNY CLEAR — OVRCAST — (PRTLY CLDY) — FOG — RAIN

ACOUSTIC MEASUREMENTS
MEAS. INSTRUMENT: PICCOLO SLM-3 — TYPE 1 2 — SERIAL # 1403170004
CALIBRATOR: BSWA CA 114 — SERIAL # 480151
CALIBRATION CHECK — PRE-TEST ____ dBA SPL — POST-TEST ____ dBA SPL — WINDSCRN YES

SETTINGS: A-WTD (SLOW) FAST FRONTAL RANDOM ANSI OTHER:

REC. #	BEGIN	END	Leq	Lmax	Lmin	L90	L50	L10	OTHER (SPECIFY METRIC
(S1-2) 26-27	9:59	10:15	73.6	82.8	54.4				

COMMENTS: READING TAKEN AT [redacted] NEAR NW CORNER OF ARTESIA BL & GRIMMER PL, ALONG SIDE 2003 W. ARTESIA BL ([redacted] MULTI-UNIT RESIDENTIAL); PRIMARY NOISE SOURCE IS TRAFFIC ON ARTESIA BL, SOME LIGHT TRAFFIC ON GRIMMER PLACE; SOME OCCASIONAL NOISE FROM AUTO REPAIR FACILITY ACROSS [redacted]

SOURCE INFO AND TRAFFIC COUNTS
PRIMARY NOISE SOURCE: (TRAFFIC) AIRCRAFT RAIL INDUSTRIAL OTHER:
ROADWAY TYPE: ASPHALT — DIST. TO RDWY C/L OR (EOP): APX 20' FROM W. ARTESIA
TRAFFIC COUNT DURATION: — MIN — SPEED

	DIRECTION	NB/EB	SB/WB	NB/EB	SB/WB
COUNT 1 (OR RDWY 1)	AUTOS				
	MED TRKS				
	HVY TRKS				
	BUSES				
	MOTRCLS	/			

IF COUNTING BOTH DIRECTIONS AS ONE, CHECK HERE: —

	NB/EB	SB/WB	NB/EB	SB/WB
COUNT 2 (OR RDWY 2)				
	/			

SPEEDS ESTIMATED BY: RADAR / DRIVING THE PACE
POSTED SPEED LIMIT SIGNS SAY: 45 MPH ON W. ARTESIA BLVD

OTHER NOISE SOURCES (BACKGROUND): DIST. AIRCRAFT RUSTLING LEAVES DIST. BARKING DOGS (BIRDS) DIST. INDUSTRIAL
DIST. KIDS PLAYING DIST. CONVRSTNS / YELLING DIST. TRAFFIC (LIST RDWYS BELOW) DISTD GARDENERS/LANDSCAPING NOISE
OTHER:

DESCRIPTION / SKETCH
TERRAIN: HARD SOFT (MIXED) FLAT OTHER:
PHOTOS: 4103; 4104; 4105; 4106; 4107; 4108; 4109; 4110; [redacted]
OTHER COMMENTS / SKETCH

DUDEK

FIELD NOISE MEASUREMENT DATA

PROJECT: GARDENA PUMP STATION — PROJECT #: 10632
SITE ID:
SITE ADDRESS:
OBSERVER(S): PETE VITAR
START DATE: 3/28/19 — END DATE: 3/28/19
START TIME: — END TIME:

METEOROLOGICAL CONDITIONS

TEMP: 61 F — HUMIDITY: 72 % R.H. — WIND: (CALM) LIGHT MODERATE
WINDSPD: MPH — DIR. N NE E SE S SW W NW — VARIABLE STEADY GUSTY
SKY: SUNNY CLEAR OVRCAST (PRTLY CLDY) FOG — RAIN

ACOUSTIC MEASUREMENTS

MEAS. INSTRUMENT: PICCOLO SLM-3 — TYPE 1 2 — SERIAL # 1403T0004
CALIBRATOR: 33WA CA 14 — SERIAL # 480151
CALIBRATION CHECK — PRE-TEST: dBA SPL — POST-TEST: dBA SPL — WINDSCRN: YES

SETTINGS: A-WTD (SLOW) FAST FRONTAL RANDOM ANSI OTHER:

REC. #	BEGIN	END	Leq	Lmax	Lmin	L90	L50	L10	OTHER (SPECIFY METRIC
(ST-3) 28-29	10:19	10:34	73.4	80.9	55.5				

COMMENTS: READING TAKEN IN FRONT OF 2000 ARTESIA BL (CHURCH); PRIMARY NOISE SOURCE IS TRAFFIC ON ARTESIA BLVD.

SOURCE INFO AND TRAFFIC COUNTS

PRIMARY NOISE SOURCE: (TRAFFIC) AIRCRAFT RAIL INDUSTRIAL OTHER:
ROADWAY TYPE: ASPHALT — DIST. TO RDWY C/L OR (EOP): APX 29' TO ARTESIA BL.

TRAFFIC COUNT DURATION: — MIN — SPEED — MIN — SPEED

COUNT 1 (OR RDWY 1) DIRECTION	NB/EB	SB/WB	NB/EB SPEED	SB/WB SPEED	IF COUNTING BOTH DIRECTIONS AS ONE, CHECK HERE	COUNT 2 (OR RDWY 2) NB/EB	SB/WB	NB/EB SPEED	SB/WB SPEED
AUTOS									
MED TRKS									
HVY TRKS									
BUSES									
MOTRCLS									

SPEEDS ESTIMATED BY: RADAR / DRIVING THE PACE
POSTED SPEED LIMIT SIGNS SAY: 45 MPH ON W. ARTESIA BLVD

OTHER NOISE SOURCES (BACKGROUND): DIST. AIRCRAFT RUSTLING LEAVES DIST. BARKING DOGS BIRDS DIST. INDUSTRIAL
DIST. KIDS PLAYING DIST. CONVRSTNS / YELLING DIST. TRAFFIC (LIST RDWYS BELOW) DISTD GARDENERS/LANDSCAPING NOISE
OTHER:

DESCRIPTION / SKETCH

TERRAIN: HARD SOFT (MIXED) FLAT OTHER:
PHOTOS: 4112; 4113; 4114; 4115; 4116; 4117; 4118
OTHER COMMENTS / SKETCH

APPENDIX D-2

Construction Noise Modeling Input and Output

Roadway Construction Noise Model (RCNM),Version 1.1

Report date 4/2/2019
Case Descri Gardena Pumping Plant - Building Demolition

---- Receptor #1 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residences	Residential	74	65	60

			Equipment			
			Spec	Actual	Receptor	Estimated
	Impact		Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Concrete Saw	No	20		89.6	320	5
Dozer	No	40		81.7	330	5
Backhoe	No	40		77.6	340	5
Front End Loader	No	40		79.1	340	5

Results

	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Concrete Saw	68.5	61.5	N/A	N/A	N/A	N/A
Dozer	60.3	56.3	N/A	N/A	N/A	N/A
Backhoe	55.9	51.9	N/A	N/A	N/A	N/A
Front End Loader	57.5	53.5	N/A	N/A	N/A	N/A
Total	68.5	63.4	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Church to t	Residential	73	65	60

			Equipment			
			Spec	Actual	Receptor	Estimated
	Impact		Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Concrete Saw	No	20		89.6	450	5
Dozer	No	40		81.7	460	5
Backhoe	No	40		77.6	470	5
Front End Loader	No	40		79.1	470	5

Results

	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Concrete Saw	65.5	58.5	N/A	N/A	N/A	N/A
Dozer	57.4	53.4	N/A	N/A	N/A	N/A
Backhoe	53.1	49.1	N/A	N/A	N/A	N/A
Front End Loader	54.6	50.7	N/A	N/A	N/A	N/A
Total	65.5	60.5	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date 4/2/2019
Case Descri Gardena Pumping Plant - Grading / Trenching

---- Receptor #1 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residences	Residential	74	65	60

			Equipment			
			Spec	Actual	Receptor	Estimated
	Impact		Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Concrete Saw	No	20		89.6	320	5
Dozer	No	40		81.7	330	5
Backhoe	No	40		77.6	340	5
Front End Loader	No	40		79.1	340	5
Slurry Trenching Mach	No	50		80.4	340	5

Results

	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Concrete Saw	68.5	61.5	N/A	N/A	N/A	N/A
Dozer	60.3	56.3	N/A	N/A	N/A	N/A
Backhoe	55.9	51.9	N/A	N/A	N/A	N/A
Front End Loader	57.5	53.5	N/A	N/A	N/A	N/A
Slurry Trenching Mach	58.7	55.7	N/A	N/A	N/A	N/A
Total	68.5	64.1	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Church to t	Residential	73	65	60

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Concrete Saw	No	20		89.6	450	5
Dozer	No	40		81.7	460	5
Backhoe	No	40		77.6	470	5
Front End Loader	No	40		79.1	470	5
Slurry Trenching Mach	No	50		80.4	470	5

Results

	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Concrete Saw	65.5	58.5	N/A	N/A	N/A	N/A
Dozer	57.4	53.4	N/A	N/A	N/A	N/A
Backhoe	53.1	49.1	N/A	N/A	N/A	N/A
Front End Loader	54.6	50.7	N/A	N/A	N/A	N/A
Slurry Trenching Mach	55.9	52.9	N/A	N/A	N/A	N/A
Total	65.5	61.2	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date 4/2/2019
Case Descri Gardena Pumping Plant - Building Construction

---- Receptor #1 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residences	Residential	74	65	60

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Crane	No	16		80.6	320	5
Man Lift	No	20		74.7	330	5
Man Lift	No	20		74.7	340	5
Front End Loader	No	40		79.1	340	5
Tractor	No	40	84		340	5

Results

	Calculated (dBA)		Noise Limits (dBA)			

			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Crane	59.4	51.5	N/A	N/A	N/A	N/A
Man Lift	53.3	46.3	N/A	N/A	N/A	N/A
Man Lift	53	46.1	N/A	N/A	N/A	N/A
Front End Loader	57.5	53.5	N/A	N/A	N/A	N/A
Tractor	62.3	58.4	N/A	N/A	N/A	N/A
Total	62.3	60.5	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Church to t	Residential	73	65	60

			Equipment			
			Spec	Actual	Receptor	Estimated
	Impact		Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Crane	No	16		80.6	450	5
Man Lift	No	20		74.7	460	5
Man Lift	No	20		74.7	470	5
Front End Loader	No	40		79.1	470	5
Tractor	No	40	84		470	5

Results

	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Crane	56.5	48.5	N/A	N/A	N/A	N/A
Man Lift	50.4	43.4	N/A	N/A	N/A	N/A
Man Lift	50.2	43.2	N/A	N/A	N/A	N/A
Front End Loader	54.6	50.7	N/A	N/A	N/A	N/A
Tractor	59.5	55.6	N/A	N/A	N/A	N/A
Total	59.5	57.7	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date 4/2/2019
Case Descri Gardena Pumping Plant - Architectural Coatings

---- Receptor #1 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night

Residences	Residential	74	65	60

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Compressor (air)	No	40		77.7	320	5

	Calculated (dBA)		Results Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Compressor (air)	56.5	52.6	N/A	N/A	N/A	N/A
Total	56.5	52.6	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

			---- Receptor #2 ----
	Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Church to t	Residential	73	65	60

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Compressor (air)	No	40		77.7	450	5

	Calculated (dBA)		Results Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Compressor (air)	53.6	49.6	N/A	N/A	N/A	N/A
Total	53.6	49.6	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date 4/2/2019
Case Descri Gardena Pumping Plant - Pumping Plant Demolition

			---- Receptor #1 ----
	Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residences	Residential	74	65	60

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Concrete Saw	No	20		89.6	320	5
Dozer	No	40		81.7	330	5
Backhoe	No	40		77.6	340	5
Tractor	No	40	84		340	5

Results

	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Concrete Saw	68.5	61.5	N/A	N/A	N/A	N/A
Dozer	60.3	56.3	N/A	N/A	N/A	N/A
Backhoe	55.9	51.9	N/A	N/A	N/A	N/A
Tractor	62.3	58.4	N/A	N/A	N/A	N/A
Total	68.5	64.3	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Church to t	Residential	73	65	60

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Concrete Saw	No	20		89.6	450	5
Dozer	No	40		81.7	460	5
Backhoe	No	40		77.6	470	5
Tractor	No	40	84		470	5

Results

	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Concrete Saw	65.5	58.5	N/A	N/A	N/A	N/A
Dozer	57.4	53.4	N/A	N/A	N/A	N/A
Backhoe	53.1	49.1	N/A	N/A	N/A	N/A
Tractor	59.5	55.6	N/A	N/A	N/A	N/A
Total	65.5	61.4	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date 4/2/2019
Case Descri Gardena Pumping Plant - Paving

---- Receptor #1 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residences	Residential	74	65	60

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Concrete Mixer Truck	No	40		78.8	320	5
Concrete Pump Truck	No	20		81.4	330	5
Concrete Mixer Truck	No	40		78.8	340	5
Concrete Pump Truck	No	20		81.4	340	5
Paver	No	50		77.2	330	5
Roller	No	20		80	350	5
Front End Loader	No	40		79.1	340	5

	Calculated (dBA)		Results	Noise Limits (dBA)		
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Concrete Mixer Truck	57.7	53.7	N/A	N/A	N/A	N/A
Concrete Pump Truck	60	53	N/A	N/A	N/A	N/A
Concrete Mixer Truck	57.1	53.2	N/A	N/A	N/A	N/A
Concrete Pump Truck	59.7	52.8	N/A	N/A	N/A	N/A
Paver	55.8	52.8	N/A	N/A	N/A	N/A
Roller	58.1	51.1	N/A	N/A	N/A	N/A
Front End Loader	57.5	53.5	N/A	N/A	N/A	N/A
Total	60	61.4	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Church to t	Residential	73	65	60

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)

Concrete Mixer Truck	No	40	78.8	450	5
Concrete Pump Truck	No	20	81.4	460	5
Concrete Mixer Truck	No	40	78.8	470	5
Concrete Pump Truck	No	20	81.4	470	5
Paver	No	50	77.2	460	5
Roller	No	20	80	480	5
Front End Loader	No	40	79.1	480	5

			Results			
	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Concrete Mixer Truck	54.7	50.7	N/A	N/A	N/A	N/A
Concrete Pump Truck	57.1	50.1	N/A	N/A	N/A	N/A
Concrete Mixer Truck	54.3	50.4	N/A	N/A	N/A	N/A
Concrete Pump Truck	56.9	49.9	N/A	N/A	N/A	N/A
Paver	52.9	49.9	N/A	N/A	N/A	N/A
Roller	55.4	48.4	N/A	N/A	N/A	N/A
Front End Loader	54.5	50.5	N/A	N/A	N/A	N/A
Total	57.1	58.5	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.